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# ROBERT HOOD SAUNDERS, C.B.E., Q.C.

## CHAIRMAN

March 1, 1948 — January 16, 1955

IN THE nearly fifty years of Ontario Hydro's history certain phases of growth and development, each distinctly different in character, have called for particular qualities of leadership. The Commission has been well served by able and gifted men in the office of Chairman, each in his turn equal to the special problems of his day. This fortunate experience of the Commission was well exemplified in the chairmanship of the late Robert Hood Saunders.

Mr. Saunders assumed the chairmanship in March 1948 at a time when the Commission was confronted with major problems. It also proved to be a period of unprecedented expansion. Through the ensuing seven years he guided the affairs of Ontario Hydro with foresight and skill, and won the respect not only of his colleagues on the Commission but of all members of the staff who were associated with him.

The immediate problem of Mr. Saunders' first year in office was the serious power shortage due in part to adverse weather conditions, but in larger part to sharp increases in the demand for power. The continued increase in demand through the following seven years called for the unparalleled expansion of the Commission's power resources and the rapid extension of the whole power system. While this expansion was in progress, the staff of the entire enterprise was reorganized — in itself a large undertaking — and also throughout this period the carrying out of the frequency standardization program was a major project of the Commission.

Mr. Saunders was a man of exceptional qualities, tenacious of purpose, steadfast in his convictions, and courageous in action. He was utterly devoted to Hydro. The challenge he faced was formidable, and his outstanding success was, therefore, the more remarkable. He, more than any other, overcame the massive obstacles in the way of the St. Lawrence Power Project, surrounded as it was by complex problems both national and international. While Mr. Saunders had a special zest for the accomplishment of difficult objectives and took them in his stride, his service was not limited to great undertakings, but was given with equal energy to countless other causes. Some of these involved him in trips to every part of Ontario, trips which he undertook with the utmost enthusiasm.

We, his fellow Commissioners, together with the entire staff of the Commission, deeply regret that Mr. Saunders' career was cut short by a fatal aircraft disaster that occurred on January 15, 1955. In expressing our indebtedness to him we realize that his works will testify far more eloquently than any words of ours to his devotion to Ontario Hydro.

GEORGE H. CHALLIES,  
*Vice-Chairman*

W. ROSS STRIKE,  
*Vice-Chairman*



Gov. Doc.  
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Ontario. Hydro-Electric Power Commission  
" "

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# The Hydro-Electric Power Commission of Ontario

*Forty-Seventh*  
**Annual Report**  
*for the Year*  
**1954**

This Report is published pursuant to The Power Commission Act,  
Revised Statutes of Ontario, 1950, Chapter 281, Section 9

620 University Ave

Toronto, Ontario



**647654**

20.12.56

# THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Throughout 1954 and to January 16, 1955

ROBERT H. SAUNDERS, C.B.E., Q.C.  
Chairman

HON. GEORGE H. CHALLIES  
1st Vice-Chairman

W. ROSS STRIKE, Q.C.  
2nd Vice-Chairman

---

RICHARD L. HEARN, B.A.Sc., D.Eng.  
General Manager  
and Chief Engineer

ERNEST B. EASSON, B.Com.  
Secretary

---

May 1955

RICHARD L. HEARN, B.A.Sc., D.Eng.  
Chairman

HON. WILLIAM E. HAMILTON  
1st Vice-Chairman

W. ROSS STRIKE, Q.C.  
2nd Vice-Chairman

LT.-COL. A. A. KENNEDY, D.S.O., E.D.  
Commissioner

---

A. W. MANBY, B.Sc.  
General Manager

OTTO HOLDEN, B.A.Sc., C.E., D.Eng.  
Chief Engineer

ERNEST B. EASSON, B.Com.  
Secretary



## LETTER OF TRANSMITTAL

TORONTO, ONTARIO, JUNE 3, 1955

THE HONOURABLE LOUIS O. BREITHAUP, LL.D.

*Lieutenant-Governor of Ontario*

SIR:

It is an honour for me as Chairman of The Hydro-Electric Power Commission of Ontario to present this Forty-seventh Annual Report, which relates to the year ended December 31, 1954.

I am aware, in submitting the Report, that it deals with a period throughout which my esteemed predecessor, the late Robert Hood Saunders, directed the policy of the Hydro enterprise. At the beginning of this Report there is included the tribute paid to Mr. Saunders by the Honourable George H. Challies and Mr. W. Ross Strike, who, as fellow-Commissioners, shared his responsibilities. I add to what they have so admirably said only an expression of my personal regard for Mr. Saunders, under whom it was my privilege to serve during the past seven years.

But for the great misfortune which brought his life to an untimely end, I would have submitted to him the report of my stewardship as General Manager and Chief Engineer during the period under review. In my capacity as General Manager I have been succeeded by Mr. A. W. Manby, and as Chief Engineer by Dr. O. Holden. They assumed their new duties, however, only in January 1955. It would seem therefore more appropriate to recognize, as I do, that in my present capacity as Chairman I must also speak as General Manager and Chief Engineer with regard to the activities detailed in this Report.

I should like to express at the outset my pleasure in my new association with my colleagues on the Commission. It is with sincere regret that I recognize the termination of the Honourable George H. Challies' long and valuable tenure of his vice-chairmanship. My earnest wish is that he may long continue to serve this Province well in the new office he has recently assumed and for which his previous experience has so well fitted him. I welcome the appointment of the Honourable William E. Hamilton and Lt.-Colonel A. A. Kennedy to membership on the Commission. I should like also to acknowledge my gratitude to Mr. Manby and Dr. Holden who have contributed so much to the success of the past year's undertaking.

In the pages of the Report itself are recorded a continued increase in sales of power and energy, in revenues, and in number of customers served. Our power facilities have again been expanded to meet the rising demands of our customers. It is of particular significance to note that at the end of 1954 we had, for the first time in many years, a reasonable margin of power reserve on our systems. The achievements of the year include a 16.0 per cent increase in power resources, a 7.0 per cent increase in the amount of energy generated and purchased, and a 5.6 per cent increase in the number of ultimate customers served. The Commission's gross revenue in 1954 was 7.3 per cent greater than in 1953. Revenues under interim rates to cost-contract municipal utilities permitted rebates to be made to the majority of them, the net total amounting to \$3,362,831 in the Southern Ontario System and to \$158,101 in the Northern Ontario Properties.

The Commission's regular staff has grown in accordance with the increasing volume of business and at the end of 1954 numbered 13,655. In addition, there were 3,687 temporary employees, engaged for the most part on Commission construction projects. The loyal contribution which the staff as a whole has made to the success of the Commission's activities is gratefully acknowledged.

Among the memorable events of the year were the official opening of Sir Adam Beck-Niagara Generating Station No. 2 by Her Royal Highness the Duchess of Kent on August 30, and the historic international ceremonies at Cornwall, Ontario and Massena, New York which officially marked the inauguration of the St. Lawrence Power Project. The addition of two units at Pine Portage Generating Station in the Northwestern Region completed the construction program at this station; meanwhile, excellent progress was maintained in the construction of the new Manitou Falls Generating Station, also in the Northwestern Region, and in the construction of those remedial works at Niagara Falls which are being built by Ontario Hydro under the provisions of the Niagara Diversion Treaty of 1950.

Good progress was made in the program of standardizing frequency in the Southern Ontario System at 60 cycles. The Commission has made every effort to restrict the cost of this program, first by careful planning and also by the development of economical techniques and procedures. The scope of the work, however, has increased since the inception of the program both in the number of customers requiring standardization and in the number and variety of frequency-sensitive appliances. The enlargement of the program together with the rise in the cost of labour and materials must be reflected in a substantially higher total cost.

To the future we look forward with confidence. It is true that the St. Lawrence is the last major hydro-electric site available to the Commission in southern Ontario. We must shortly look to new resources which may appear, at present, to be less economical than those now in use or under construction. These may be hydro-electric resources located at greater distances from load centres, or fuel-electric resources using coal, oil, or gas. Such conventional fuels are relatively scarce in Ontario, where they are likely to fall far short of what appear to be our future needs for power.

The possibility of generating electric power from nuclear reactors, using fuels which are available in abundance in Canada, therefore assumes increasing importance. Feasibility studies have been conducted on the development of nuclear reactors by Atomic Energy of Canada Limited, in which members of the Commission's staff have participated. These studies have resulted in the initiation of a project to construct a small nuclear power plant in which the Commission and the Canadian General Electric Company Limited are associated with Atomic Energy of Canada Limited. The Commission and the Canadian General Electric Company Limited, through representatives of their technical personnel, are actively participating in this project, and are also contributing financially to the undertaking. The nuclear power plant will be located close to the Des Joachims Generating Station and its output will be fed into the Southern Ontario System. This joint enterprise, as well as being a productive undertaking, will provide a significant demonstration of the application of nuclear science for constructive and peaceful purposes.

Respectfully submitted,

R. L. HEARN,  
*Chairman*

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FORTY-SEVENTH ANNUAL REPORT  
OF  
**The Hydro-Electric Power Commission  
of Ontario**

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**FOREWORD**

**T**HE Hydro-Electric Power Commission of Ontario was created in 1906 by an enactment of the Ontario Legislature. In its creation consideration was given to the recommendations of advisory commissions previously appointed in response to public demand that the water powers of Ontario should be conserved and developed for the benefit of all the people of Ontario. The Commission operates under the authority of The Power Commission Act (7-Edward VII, c.19) passed in 1907, as an amplification of the Act of 1906, and subsequently modified by numerous amending acts (Revised Statutes of Ontario, 1950, c.281).

The Commission is a corporate entity, a self-sustaining public concern endowed under The Power Commission Act with broad powers to produce, buy, and deliver electric power throughout the Province and to exercise certain regulatory functions with respect to the large group of municipal electrical utilities which it serves. The enterprise administered by the Commission is generally referred to as Ontario Hydro.

The Power Commission Act as in force in 1954 stipulated that the Commission shall consist of three persons appointed by the Lieutenant-Governor in Council, that one commissioner must be and that two may be members of the Executive Council of the Province of Ontario. At the 1955 session of the Legislature, however, the Act was amended to provide for an increase in the membership of the Commission to six persons.

**Organization**

In the organization of the enterprise itself, the commissioners are responsible for establishing policy and constitute the final authority in this regard. Throughout 1954 the principal executive officer was the General Manager and Chief Engineer, who was responsible for the carrying out of Commission policy and decisions, principally through the two main branches of the organization—Engineering and Administration. Each of these branches was directed by an Assistant General Manager.

**Systems**

For the financial and administrative purposes of the Commission, the Province is divided into two parts. That part lying south of a line drawn approximately west from Mattawa on the upper Ottawa River to Georgian Bay is served by the Southern Ontario System; the part lying to the north is served by the Northern Ontario Properties. The total area is in turn subdivided into nine regions, seven in the south and two in the north, with regional offices located strategically in nine major municipalities. The Southern Ontario System is a fully integrated power system. In the Northern Ontario Properties each of the two regions, which at present correspond with the Northeastern and Northwestern Divisions, is an integrated power system as the result of the gradual consolidation of several formerly isolated systems. There is no interconnection between the Northeastern and Northwestern Divisions, but there are facilities for the interchange of power between the Northeastern Division and the Southern Ontario System.

The Southern Ontario System is a co-operative system. Primarily it serves a group of 318 municipalities receiving power at cost under contracts established according to the provisions of The Power Commission Act. The Northern Ontario Properties is not a co-operative system although it does serve a group of seven municipalities in its Northwestern Region on a cost-contract basis. Apart from the supply of power to these cost-contract customers, the Northern Ontario Properties are held and operated in trust for the Province of Ontario.

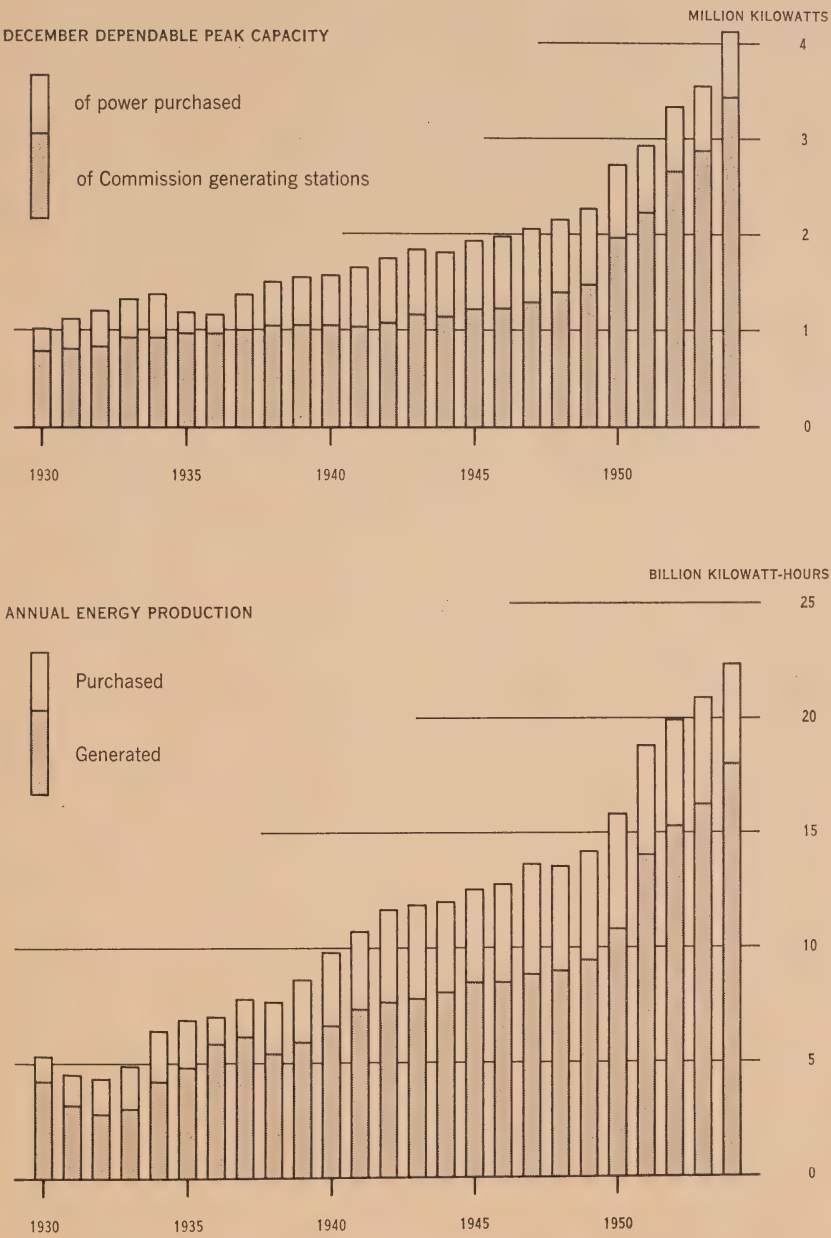
**Financial Features**

The basic principle governing the financial operations of the undertaking is that electrical service is provided by the Commission to the municipal electrical utilities, and by them to their customers at cost. The Commission's total cost of operation includes the power it purchases, and all charges for operation and maintenance of the power systems, for interest, and for reserve provisions for depreciation, contingencies, and stabilization of rates. Also included is provision for a sinking fund reserve for the retirement of the Commission's capital debt.

The enterprise from its inception has been self-supporting apart from the assistance provided by the Provincial Government for 50 per cent of the capital cost of rural distribution facilities. The provision of this part of rural capital is undertaken in pursuance of the Province's long-established policy of assisting agriculture. The Province also guarantees the payment of principal and interest of all bonds issued by the Commission and held by the public.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TOTAL POWER RESOURCES AND ENERGY PRODUCTION





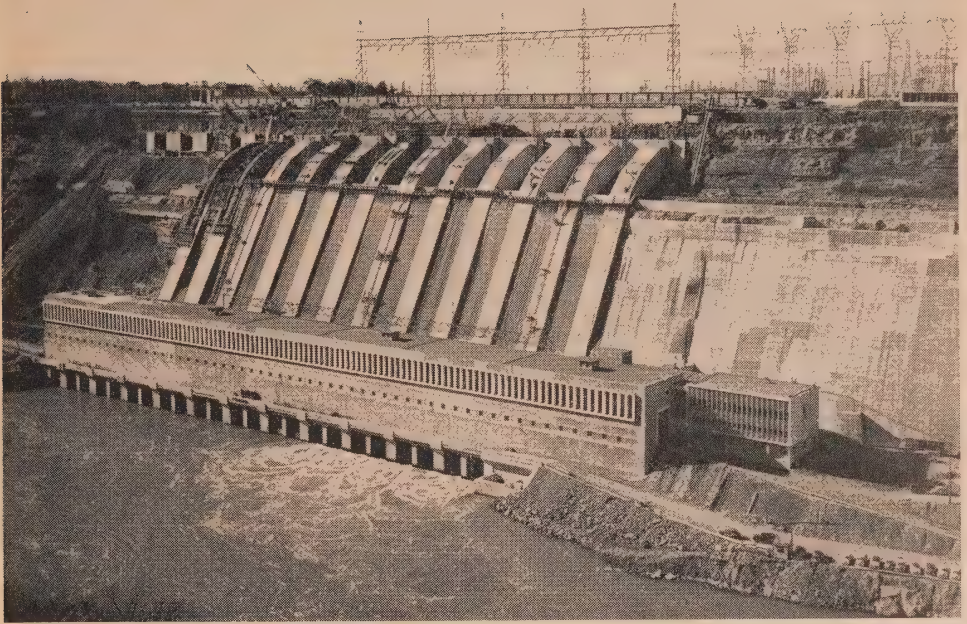
OPENING CEREMONY AT SIR ADAM BECK-NIAGARA  
GENERATING STATION NO. 2

Her Royal Highness the Duchess of Kent presses the switch to officially open the station, which is the largest yet constructed by the Commission.

The undertaking as a whole involves two distinct phases of operations as follows:—

The *first* phase of operations is the provision of the power supply—either by generation or purchase—and its transformation, transmission, and delivery in *wholesale* quantities to municipal electrical utilities, certain large industrial customers, and rural operating areas. This phase of operations is performed by The Hydro-Electric Power Commission of Ontario.

The *second* phase of operations is the *retail* distribution of electric energy. In most cities and towns, and in many villages and certain township areas, retail distribution of electric energy is conducted by municipal commissions under the general supervision of The Hydro-Electric Power Commission of Ontario as provided for in The Power Commission Act and The Public Utilities Act. These local commissions own and operate their own distribution facilities. In a small group of municipalities, The Hydro-Electric Power Commission of Ontario owns the distribution facilities and conducts retail distribution through what are called local systems. Throughout most of rural Ontario, the Commission, on behalf of the respective townships, operates the distribution facilities and attends to all physical and financial operations connected with the retail distribution of energy to the customers in the rural operating areas. Since 1944 the rate structure applying to rural customers designated as farm, hamlet, commercial, and summer service has been uniform throughout the Province.



SIR ADAM BECK-NIAGARA GENERATING STATION NO. 2—View of the powerhouse, November 1954. By the end of the year, seven units were in service.

#### Annual Summary

During 1954 the final stages were reached in the construction of the major hydraulic features of Sir Adam Beck-Niagara Generating Station No. 2, which was officially opened by Her Royal Highness the Duchess of Kent on August 30. By the end of the year seven units were in service and good progress was being maintained towards the completion of the powerhouse and the installation of the remaining five units at the main generating station, as well as on other features of the project. The new generating station and its associated features are the subject of an extended article beginning on page 73.

On August 10, 1954 an international ceremony inaugurated construction of the St. Lawrence Power Project. The last legal obstacle to the Project had been removed when on June 7 the Supreme Court of the United States dismissed a final appeal against the granting of a licence to the Power Authority of the State of New York to proceed with construction on the United States side of the river.

Construction of new generating facilities in northern Ontario also made satisfactory progress, both at Manitou Falls Generating Station and at Pine Portage Generating Station where the installation of the third and fourth units was completed in time to permit both units to be in service at the end of the year.

The Commission has continued to participate in studies relating to the feasibility of producing electric power by the use of nuclear energy and has



ST. LAWRENCE POWER PROJECT—Architect's sketch of the powerhouse structures looking up stream, with the head-pond in the background

maintained close liaison with British and United States authorities engaged on such projects. The studies were carried out in conjunction with engineers and scientists of Atomic Energy of Canada Limited, and by the end of the year a group had been set up to undertake the preliminary design of a small nuclear power plant.

The Commission's total assets at the end of 1954 were \$1,653,063,771, after deducting \$154,975,237 in accumulated depreciation. Total gross revenues from the sale of electricity amounted to \$146,953,335.

The dependable peak capacity of the Commission's resources generated and purchased, all systems, was 4,135,050 kilowatts. Energy generated and purchased totalled 22,386,456,876 kilowatt-hours for the year. Delivery was made in wholesale quantities to 370 municipal distribution systems, to 188 direct industrial customers, and to 105 rural operating areas. Ultimate customers, served directly or indirectly, numbered 1,467,034.

The total staff employed by the Commission at December 31, 1954 numbered 17,342, of whom 13,655 were regular staff and 3,687 were temporarily employed, for the most part on large construction undertakings.

## GUIDE TO THE REPORT

Details of the Commission's activities which have been briefly summarized in the foregoing paragraphs are given in the eight sections, and five appendices to the Report which follow. These activities are grouped for convenient reference in accordance with the branches of the Commission's organization responsible for them—Administration, Engineering, Personnel, and Legal.

The Administration Branch is responsible for operations, finance, customer relations, and frequency standardization. Operation of the systems is

the subject of Section I and Appendix I, where the production, purchase, and delivery of power during the year is discussed in narrative and summarized in supporting tables. The summary tables give details on demands, capacities, and loads carried, while the narrative reports, in general, upon operating and weather conditions and other factors such as maintenance and forestry work which affect operations. Finance is dealt with in Section II and Appendix II. The Commission's balance sheets, statements of operations, and tables showing the funded debt and advances from the Province of Ontario are found in Section II. These statements are supported in Appendix II by detailed schedules of fixed assets, individual reserve accounts, and statements of the cost of power. Section III and Appendix III deal with the Commission's relations with its customers, first with the supply of electric power and energy in wholesale quantities to municipal and industrial customers and to the rural power district, and second with the retail distribution of power and energy to customers through rural operating areas. The latter is the subject of a subsection of Section III entitled Rural Electrical Service, and tabular data on this retail aspect of service are given in Appendix III. Another subsection dealing with municipal activities and services to customers completes Section III of the Report. Frequency standardization is the subject of Section IV.

The activities of the Engineering Branch are discussed in Section V and Appendix IV relating to engineering and construction and in Section VI relating to research and testing activities. In Section V and Appendix IV are included the planning and construction of facilities for the delivery of power, descriptions of the more important projects, and statistics relative to these and other facilities for the generation, transformation, and delivery of power. Section VI contains reports on the progress of some of the investigations conducted by members of the Commission's Research Division.

Section VII deals with personnel administration and Appendix V with legislation.

Section VIII, Municipal Electrical Service, is the largest in the Report. It reviews the retail operations and the financial status of the municipal electrical utilities and the retail aspects of service in the Commission's local systems. This final narrative section of the Report is supplemented by four statistical tables giving financial statistics, rates, and statistics on retail services in the municipalities supplied by the Commission.

## SECTION I

### OPERATION OF THE SYSTEMS

DEMANDS for power continued to rise during 1954, but as a result of the substantial growth in power resources during the year the Commission was in a position to more than meet increased requirements. The December dependable peak capacity, all systems, was increased from 3,565,350 kilowatts in 1953 to 4,135,050 kilowatts in 1954. The achievements of the intensive construction program in each of the past several years had proved barely sufficient to meet annual increases in requirements for power. In 1954, however, the 16.0 per cent growth in resources, representing for the most part the bringing into service of seven units at Sir Adam Beck-Niagara Generating Station No. 2, not only met the annual increase in requirements but also provided for the first time in many years a reasonable margin of reserve for the systems.

The favourable water conditions during 1954 were in marked contrast with the conditions of scarcity in 1953, a contrast made more apparent by events during 1954. The water shortage in 1953 had necessitated the operation of the two major fuel-electric stations as base load resources to compensate for reductions in the energy output of hydro-electric resources. In early April 1954, on the other hand, the Commission was temporarily deprived of the entire output of the Richard L. Hearn Generating Station; while a variety of expedients was devised to meet the immediate situation resulting from so large a loss in generating capacity and the schedule of construction at Sir Adam Beck-Niagara Generating Station No. 2 was accelerated as a compensating measure, it can also be said that the abundance of water available throughout the second half of 1954 was a contributing factor in enabling the Commission to meet later needs largely from its own resources. Thus the net output of all resources, generated and purchased, advanced by 7.0 per cent to a total of 22,386,456,876 kilowatt-hours, but the net output of the Commission's generating stations, 65 hydro-electric and 6 fuel-electric,

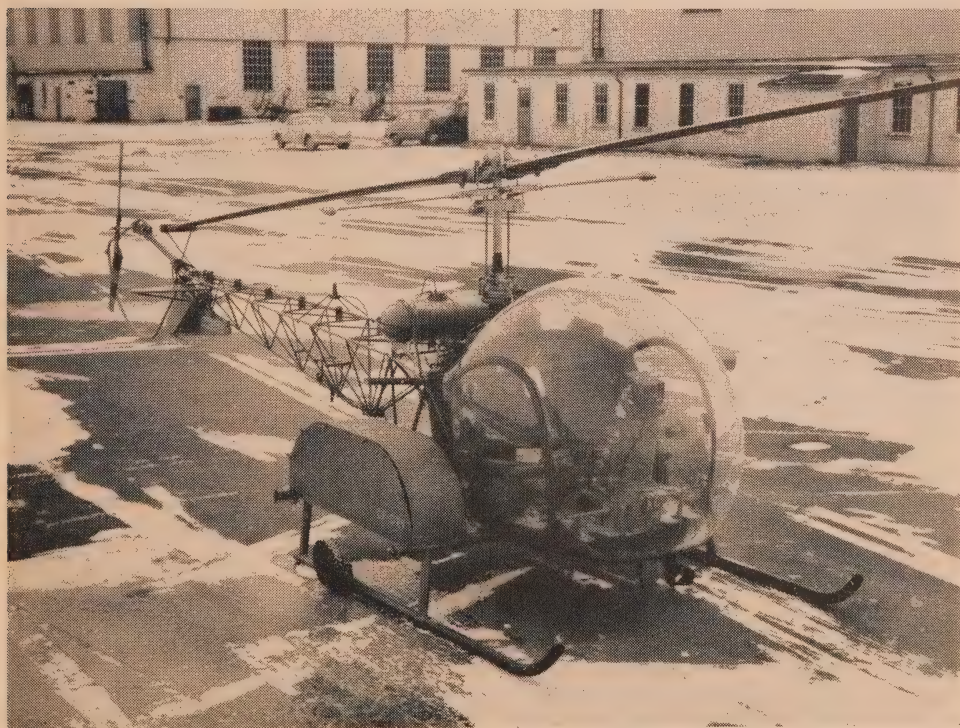
advanced by 11.2 per cent to a total of 18,077,666,964 kilowatt-hours. The remaining 4,308,789,912 kilowatt-hours, representing 19.2 per cent of the total, were purchased.

#### **Stream-Flow and Storage Conditions**

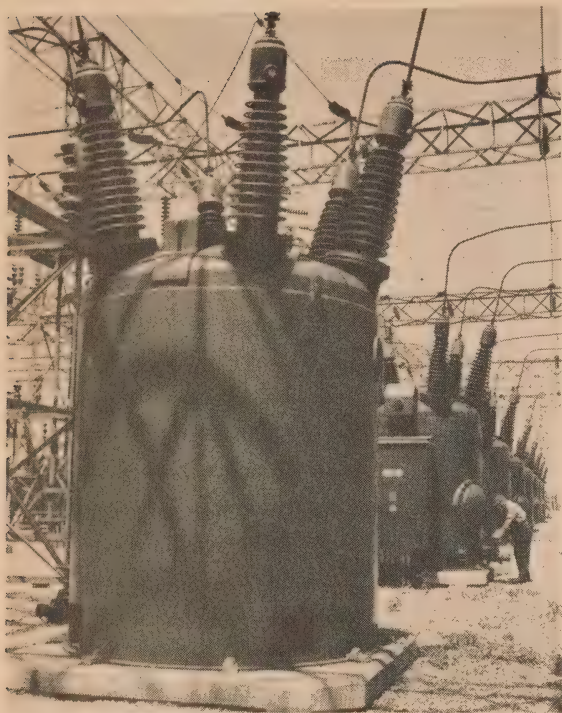
In the Southern Ontario System and the Northeastern Division of Northern Ontario Properties run-off was subnormal throughout the early months of 1954 and it was necessary to draw down water storage rapidly. Snow cover did not reach normal proportions and spring rains were light. As a result the spring freshet, commencing in mid-April, was brief. However, a sharp increase in natural flows followed heavy rains in June, re-establishing most reservoirs at or near their desired levels. Excellent stream-flows continued during the summer and autumn and in most watersheds reached freshet proportions as a result of heavy rains in October. Storage conditions immediately prior to the heavy demands of the winter period were excellent. In the Northwestern Division flood conditions unavoidably developed on the English River as a result of heavy natural flow both above and below Ear Falls during June and July.

### **SOUTHERN ONTARIO SYSTEM**

The first of seven units placed in service at Sir Adam Beck-Niagara Generating Station No. 2 was placed on commercial load on April 26, and the last on December 20. The operation of the station is so integrated with that of Sir Adam Beck-Niagara Generating Station No. 1 as to derive the



One of the Commission's helicopters used in inspecting transmission lines



CIRCUIT-BREAKERS AT J. CLARK KEITH  
GENERATING STATION

115-kv, single-tank, oil circuit-breakers in the station switchyard. These breakers have a rupturing capacity of 3,500,000 kva.

optimum amount of power and energy from water available under the Niagara Diversion Treaty. During the period while the new station is under construction, the hydraulic features associated with it have served to increase materially the output of units in the older station. Shortly after the second hydraulic tunnel was placed in operation on October 21 the older Queenston-Chippawa canal was partially closed for two months while certain sections were being cleaned. A detailed description of Sir Adam Beck-Niagara Generating Station No. 2 is given at the conclusion of Section V of this Report.

At other generating stations, it became necessary during the year to change over a number of 25-cycle units to 60-cycle operation to meet rising demands for

60-cycle power attributable in part to the progress of frequency standardization. Four units at Chats Falls were standardized and successively returned to service at 60 cycles on May 2, September 12, November 20, and December 5. One unit at DeCew Falls similarly supplied 60-cycle power, after completion of standardization, on July 15. Unit No. 3 at Richard L. Hearn Generating Station, the second unit to be standardized at this station, was returned to service on August 31. At the time of the primary peak demand in December 1954, 65 per cent of the system primary peak requirements were for 60-cycle power as compared with 55 per cent in December 1953.

The additional capacity provided by new resources was offset to some extent by the removal from service of the emergency fuel-electric stations at Thorold and Hamilton Beach, and the fact that two of the four units at Richard L. Hearn Generating Station were unavailable at the end of the year. The December peak capacity was nevertheless greater in 1954 than in 1953 by 540,000 kilowatts, or 18.0 per cent.

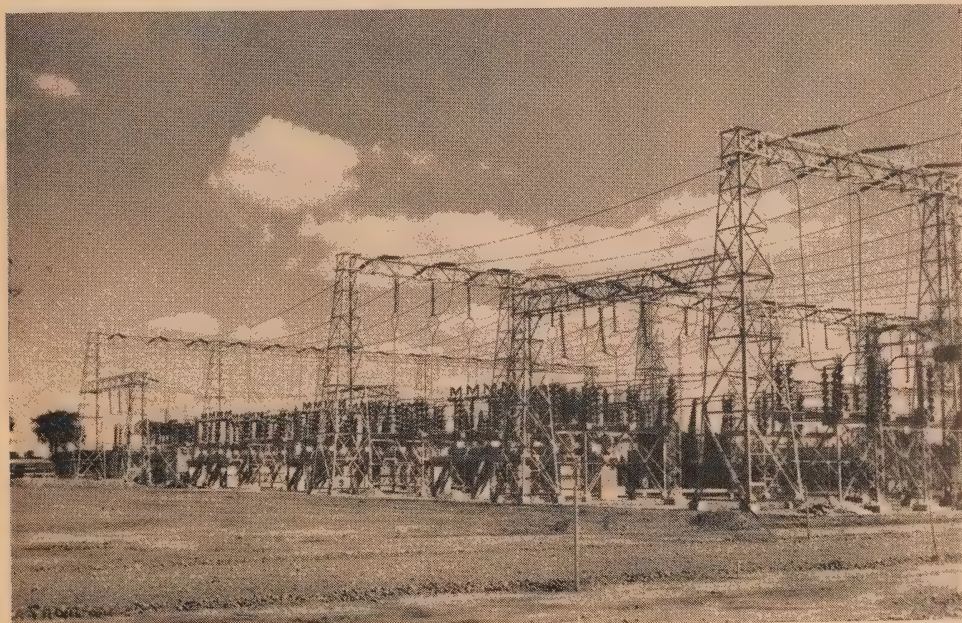
#### **Operating Conditions**

When the Richard L. Hearn Generating Station was closed down in early April following the mechanical failure of two of the units and subsequent damage by fire, the Commission met the immediate situation with power provided by The Detroit Edison Company and by the Niagara Mohawk Power Corporation. The assistance thus provided was supplemented by increasing the Commission's purchases from other suppliers in Canada and

by resuming the operation of Scarborough Fuel-Electric Generating Station. In order to maintain voltage, a part of the 60-cycle load in the Niagara Region was isolated from the Southern Ontario System and carried by the Niagara Mohawk Power Corporation until the second unit at Sir Adam Beck-Niagara Generating Station No. 2 went into service on June 28. As other units were brought into service under the accelerated construction schedule at this station, the situation was eased, and with a second unit back in service at Richard L. Hearn Generating Station in September, operating conditions could be described as relatively normal.

Changes in transformation and transmission arrangements made during the year contributed to improved operating conditions. Richview Switching Station was placed in service in July and the new 230-kv circuit between Allanburg and Detweiler Transformer Stations, in December. Assistance in maintaining voltage was afforded by the placing in service of the third 60-cycle synchronous condenser at A. W. Manby Transformer Station in February, and towards the end of the year by the banks of capacitors placed in service at Toronto-Fairbank Transformer Station. At J. Clark Keith Generating Station two generating units, designed to be disconnected from the turbines and operated as synchronous condensers, were so disconnected to permit their operation in this manner.

At the eastern extremity of the Southern Ontario System where a 60-cycle line at Cornwall provides an interconnection with the system of the Niagara Mohawk Power Corporation, the interconnecting facilities were frequently taxed to capacity by the wide fluctuations in load in either direction resulting from operation of the systems in parallel. More satisfactory conditions were obtained by supplying 60-cycle export power at this point principally from units at Chats Falls Generating Station isolated from the



**RICHVIEW SWITCHING STATION**

Designed to provide facilities for pooling the 230-kv, 60-cycle power supply, this new switching station at the end of 1954 had six 10,000,000-kva circuit-breakers in operation.

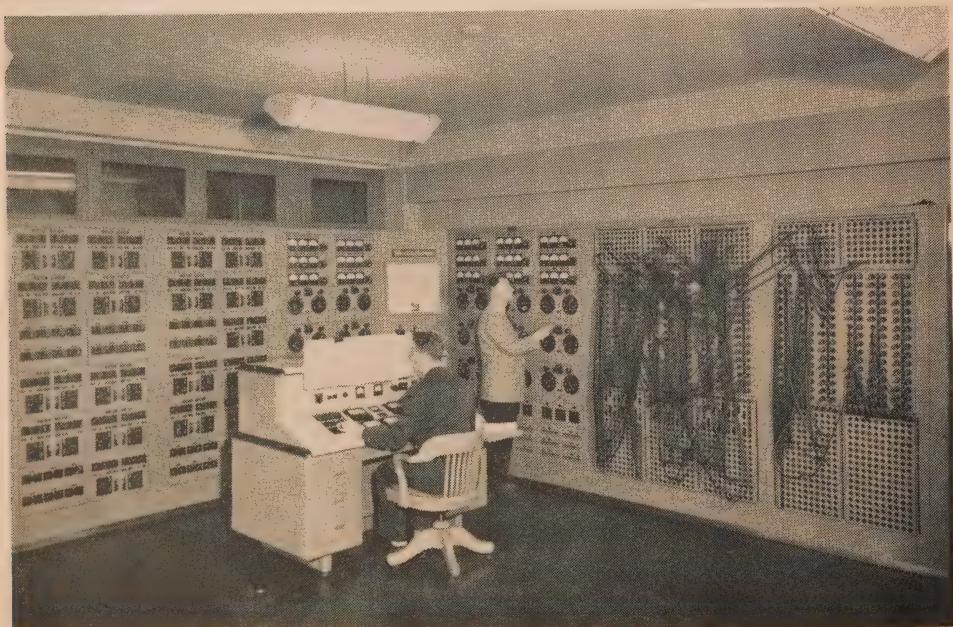
Southern Ontario System. The output of other units recently standardized at 60 cycles at Chat Falls Generating Station was supplied directly to loads in the eastern part of the Province.

Elsewhere in the Southern Ontario System, improved operation was achieved through the extension of centralized supervisory control over a number of transformer stations in the Niagara, Toronto, and Georgian Bay Regions, and through the addition of new telemetering and load control facilities in the power supervisor's office in Toronto.

#### Load Trends

Production of power for primary and secondary use within the system reached 3,162,142 kilowatts, an increase of 8.7 per cent over the 1953 figure of 2,909,190 kilowatts. The corresponding energy production amounted to 18,313,217,542 kilowatt-hours, 7.2 per cent more than the 17,082,362,909 kilowatt-hours produced in 1953.

Primary power requirements at the beginning of the year were about 6 per cent greater than requirements at the same period in 1953. A brief decline in rate of increase was noticeable during the second quarter of 1954; however, power demands increased sharply during the summer months and towards the end of December trends in primary requirements had returned almost to the same level, relative to 1953, as in the earlier part of the year. Primary power requirements exceeded 3,000,000 kilowatts for the first time during November, and in December reached a maximum of 3,115,842 kilowatts, all of which was supplied. This represents an increase of 6.0 per cent over the primary power requirements of 2,939,980 kilowatts in 1953. Primary energy requirements for a single day rose to a new maximum of



NETWORK ANALYZER—Commission engineers duplicating electrical characteristics of a power system by means of a network analyzer. The analyzer simulates the actual operation of an electrical system.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

POWER DEMANDS AND RESOURCES

SOUTHERN ONTARIO SYSTEM

MILLION KILOWATTS

4

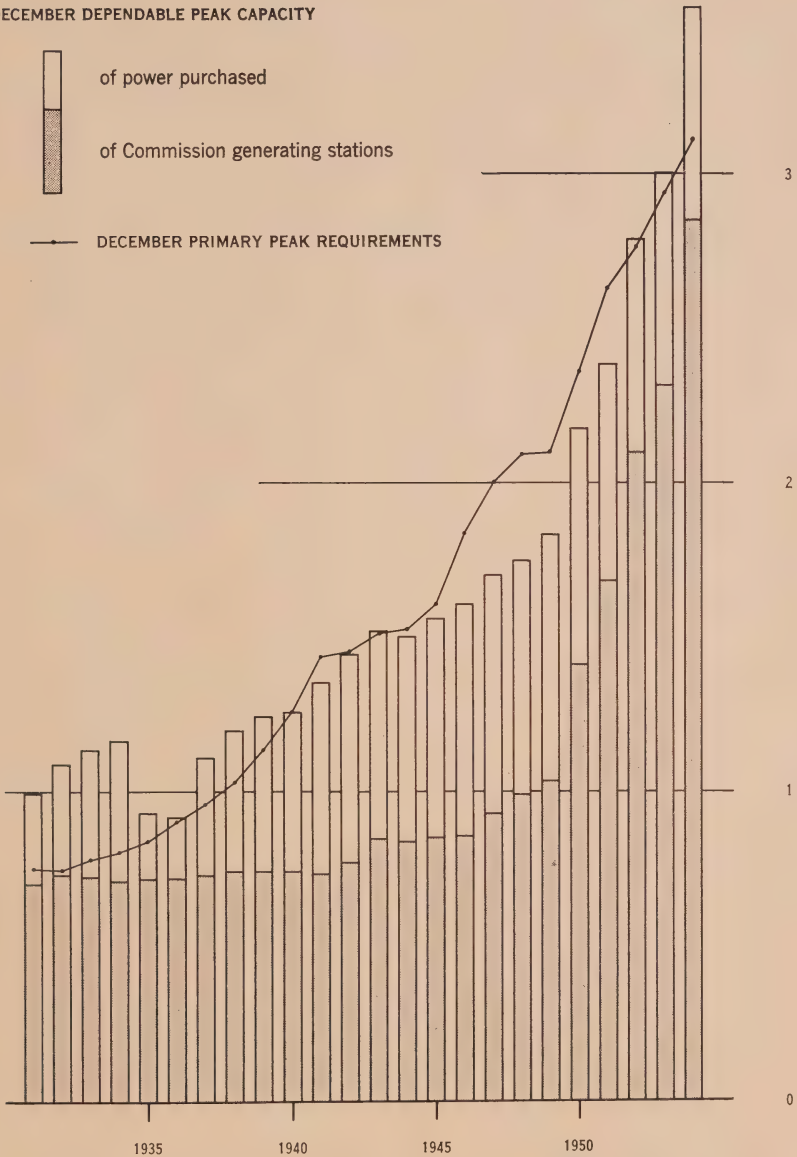
DECEMBER DEPENDABLE PEAK CAPACITY



of power purchased

of Commission generating stations

DECEMBER PRIMARY PEAK REQUIREMENTS

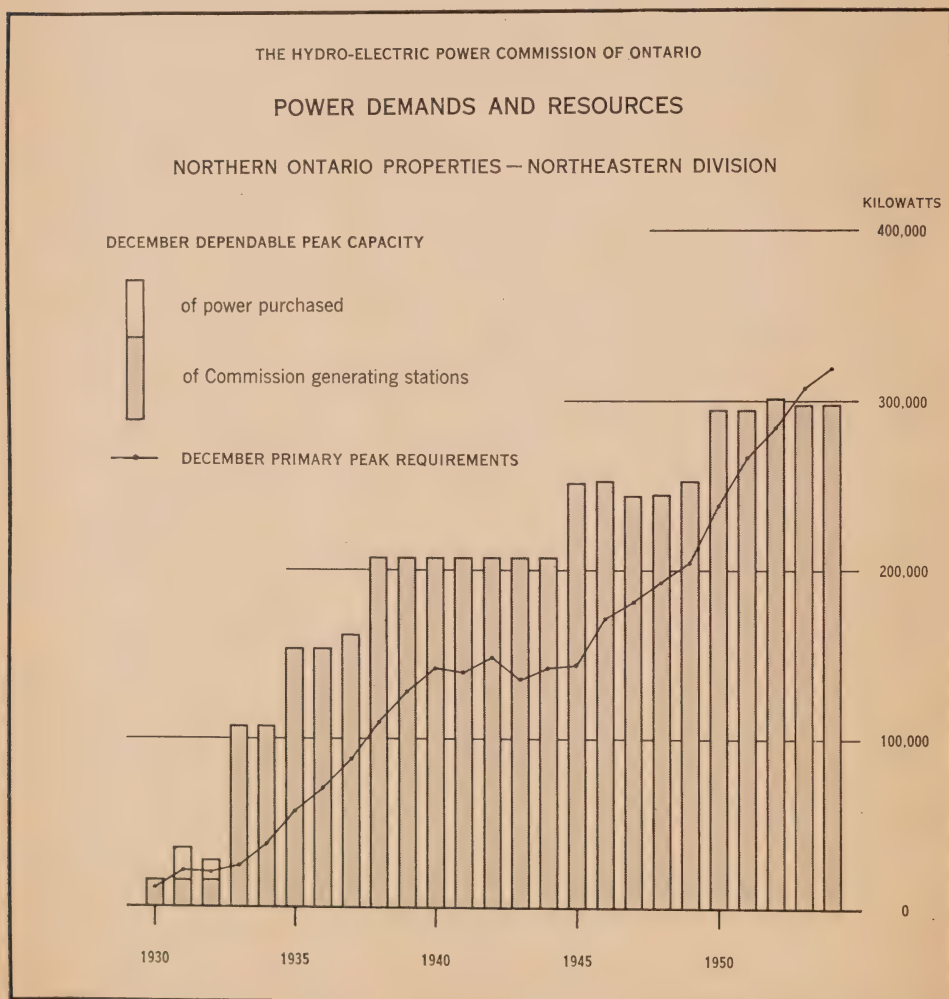


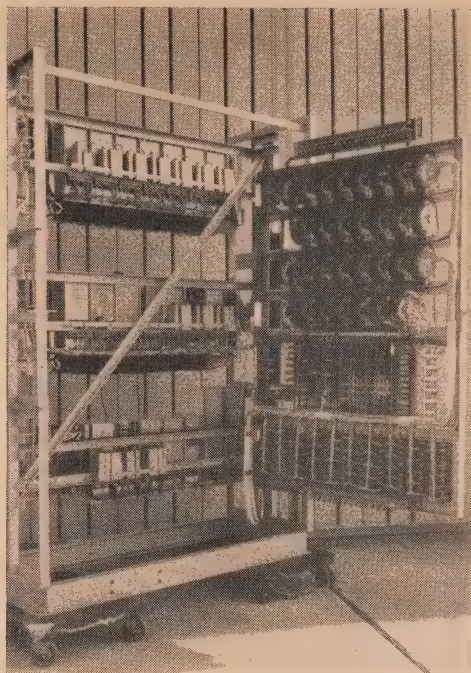
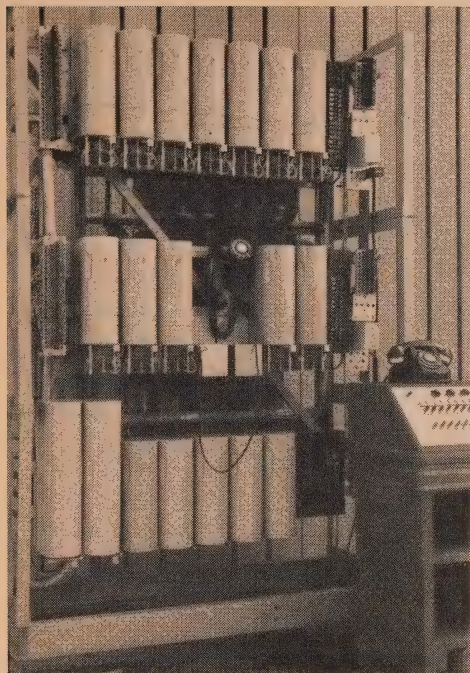
57,022,845 kilowatt-hours. Primary energy requirements for the entire year amounted to 17,069,008,442 kilowatt-hours, an increase of 3.8 per cent over the 16,445,249,809 kilowatt-hours required in 1953. The Ontario primary load carried was 16,753,967,942 kilowatt-hours, an increase of 4.2 per cent over the 1953 total of 16,083,830,209 kilowatt-hours. At off-peak times and during periods of high stream-flows, 1,245,548,600 kilowatt-hours were produced for disposal in the secondary market.

## NORTHERN ONTARIO PROPERTIES

### NORTHEASTERN DIVISION

The dependable peak capacity of the Northeastern Division in December 1954 was unchanged from 298,200 kilowatts as given for December 1953. The interconnection with the Southern Ontario System enabled the Northeastern Division to meet primary power requirements. A net transfer of





TELEPHONE EXCHANGE AT ABITIBI CANYON GENERATING STATION

Left: Front view of a 100-line automatic dial telephone exchange with a 10-line operator's cordless private branch exchange to be installed at Abitibi Canyon Generating Station  
 Right: Rear view of the exchange and rotary line-finder equipment mounted on a swing gate

energy to the Northeastern Division occurred in seven months of the year. A net transfer to the Southern Ontario System occurred during the four months of freshet water conditions in late spring and early summer and also in the month of November. On December 10 the newly constructed 115-kv line between Crystal Falls and Otto Holden Generating Stations was placed in service together with a second 60,000-kva, 230—115-kv autotransformer bank at Mattawan Transformer Station. This doubled the capacity of the interchange facilities between the two operating systems.

The 110-kv circuit between Kirkland Lake and Rouyn, formerly operated only at 25 cycles, was made available in mid-September for use at either 25 or 60 cycles and on September 14 the Northeastern Division and the system of The Quebec Hydro-Electric Commission were operated in parallel for the first time at the higher frequency. Two months later the line was temporarily returned to operation at 25 cycles to provide assistance requested by the Quebec Commission.

#### Load Trends

The maximum amount of power produced for primary and secondary use by the division was 332,706 kilowatts, an increase of 7.6 per cent over the 309,100 kilowatts produced in 1953. The corresponding energy production during the year reached 2,172,465,514 kilowatt-hours and exceeded last year's production of 2,017,186,605 kilowatt-hours by 7.7 per cent.

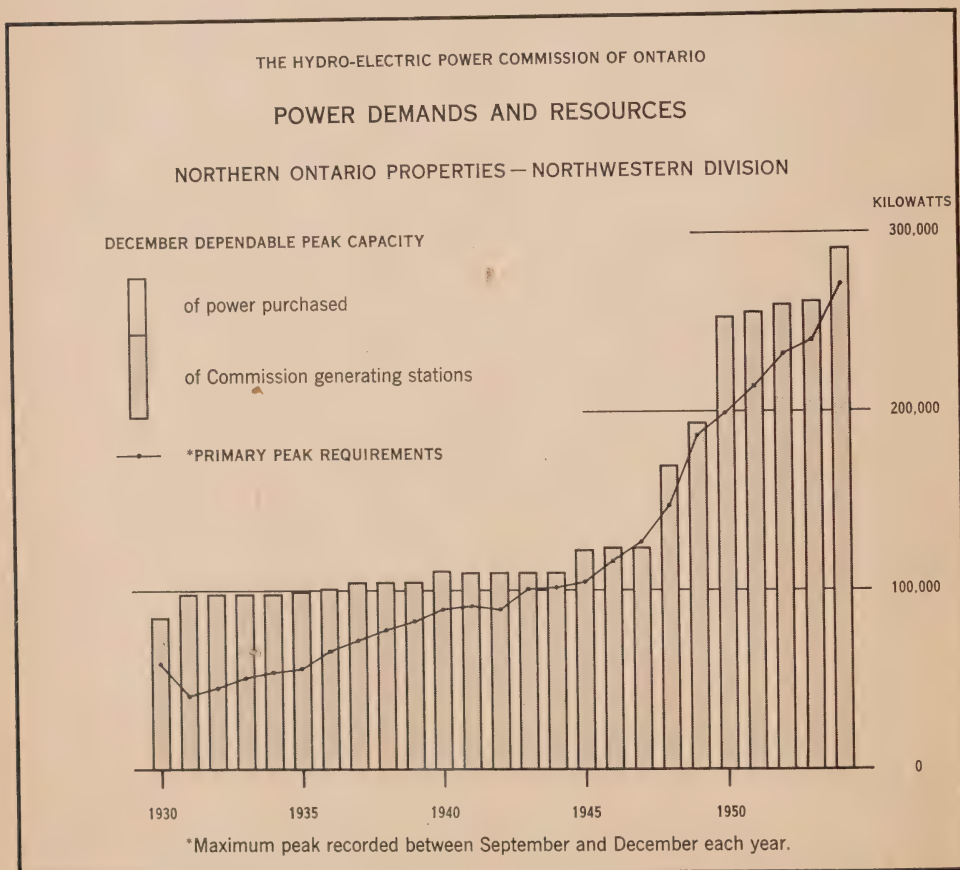
Primary power requirements exceeded the 1953 requirements of 308,590 kilowatts by 3.4 per cent and reached 319,146 kilowatts. Primary energy

## Operation of the Systems

requirements for the year rose by 6.6 per cent from 1,936,647,345 kilowatt-hours in 1953 to 2,065,220,554 kilowatt-hours in 1954. The rate of increase in energy requirements over requirements in the previous year varied widely from month to month throughout 1954; on the one hand, periods of strikes in 1953 contrast sharply with periods of fuller employment in 1954, and on the other hand, the loads of certain industrial customers particularly affected by the scarcity of water in 1953 did not reach in 1954 the abnormally high levels of the previous year. At times when production exceeded primary requirements, 107,244,960 kilowatt-hours were disposed of in the secondary market.

### NORTHWESTERN DIVISION

The addition of the third unit at Pine Portage Generating Station on September 30 and a minor revision in the rating of Rat Rapids Generating Station raised the December dependable peak capacity of the division to 292,600 kilowatts, an increase of 11.3 per cent over the 1953 capacity of 262,900 kilowatts. A fourth unit placed in service at Pine Portage Generating Station on December 30 is not included in the calculation of the dependable peak capacity for 1954.



**Load Trends**

The Northwestern Division produced a maximum of 289,803 kilowatts for primary and secondary load purposes in 1954. This was an increase of 10.5 per cent over the 262,365 kilowatts produced in 1953. The corresponding energy production during the year increased by 4.8 per cent from 1,812,895,850 kilowatt-hours in 1953 to 1,900,773,820 kilowatt-hours in 1954.

The trend of primary requirements varied little from the 1953 trend until June. From that point on, a period of rising activity in 1954 provided a marked contrast with a period of declining activity in 1953. During the last six months of 1954 the rate of growth accordingly ranged from 7 to 14 per cent over 1953. Primary power requirements in 1954 were 271,421 kilowatts, and exceeded the 1953 requirements of 239,956 kilowatts by 13.1 per cent. Primary energy requirements for the year exceeded 1953 requirements by 5.3 per cent, rising from 1,571,667,810 kilowatt-hours in 1953 to 1,655,679,900 kilowatt-hours in 1954.

**MAINTENANCE OF THE SYSTEMS****Stations**

The routine maintenance and inspection of hydraulic and electrical equipment proceeded on satisfactory schedules during the year.

Two large turbines, one at "Toronto Power" Generating Station and one at Cameron Falls Generating Station, and five small turbines were completely overhauled. The turbine runner of the unit at Cameron Falls was welded without the necessity of dismantling the equipment. This procedure, when followed as a form of preventive maintenance, has proven effective in avoiding the necessity of larger repair jobs which involve complete dismantling of the unit. A total of six turbine runners at Chats Falls and Aguasabon Generating Stations were thus repaired in 1954.

In addition to the regular maintenance of electrical equipment carried out by the staffs in the regions, 103 transformers with individual capacities of up to 15,000 kva were overhauled in the Electrical Maintenance Shop at Bridgman Transformer Station in Toronto.

Electrical maintenance, other than routine, included the dismantling for inspection of a 50,000-kva generator after four years of service at Des Joachims Generating Station. Coil movement had taken place to an unusual extent, sufficient to necessitate repacking and rewedging of the unit. Repairs to three large generators were made by reinsulating a 13,000-volt coil in each without completely removing the coils from their slots. One small generator was rewound; the iron laminations of the stator were completely restacked, approximately 20 per cent of them being replaced because of damage. Core trouble in transformers, which is relatively unusual, necessitated major maintenance operations involving nine large transformers.

A newly developed type of mobile unit for filtering insulating oil was placed in operation during the year. Equipped with two 300-gallon tanks, it can be towed by the standard maintenance truck, and will provide a filtering capacity of 1,200 gallons per hour. The use of such units at small stations makes it unnecessary to remove equipment to other locations for oil

filtration. Even at large transformer stations, the mobile units can be used to service smaller items of equipment; they will thus contribute to substantial economies by reducing the amount of installed pipeline required.

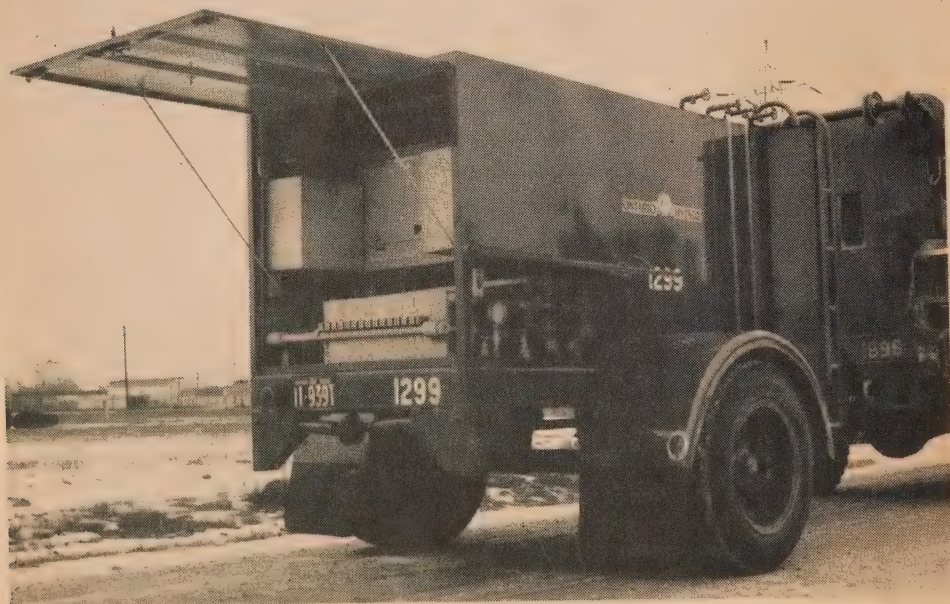
#### **Lines**

The patrol of the Commission's 9,000 circuit miles of high-voltage lines was effectively and economically carried out by the extended use of the Commission's helicopters. Three machines based at Malton, one at North Bay, and one at Fort William flew a total of 2,660 hours and logged a total of 129,825 circuit miles of line inspection. Under present operating conditions, helicopter patrol is both more efficient than ground patrol and less costly.

The helicopters were also used to good purpose for transportation to Manitou Falls and for survey operations associated with the generating station under construction there. In the emergency situation resulting from Hurricane Hazel in mid-October, they made a significant contribution in rescue operations and in traffic control.

As a result of the damage caused to Commission facilities by the hurricane, it was necessary to remove nearly 6,000 trees from lines and to replace approximately 300 transmission poles, 900 rural distribution poles, and 150 distribution transformers.

Other maintenance operations completed during the year included the reinsulation of 13.2-kv lines supplying Beamsville, Grimsby, and Smithville



**MOBILE OIL-FILTER UNIT**

Capable of filtering 1,200 gallons of oil per hour, this mobile unit services oil-insulated electrical equipment on the site.

for 27.6-kv operation. The insulators on 551 towers associated with approximately 20 route miles of 230-kv and 115-kv lines and on 35 route miles of 44-kv transmission lines were tested and replaced as required. Live-line washing of insulators was carried out on 27.6-kv lines in the West Central Region and on 115-kv lines in the Eastern Region. Particularly significant was the washing, under live-line conditions, of 230-kv insulators at J. Clark Keith Generating Station in Windsor. This is thought to be the first occasion on which 230-kv equipment had been so treated.

Interest in pole testing and in the butt treatment of poles continues to increase because this work is considered to be an economical method of extending the effective life of wood poles. In total, 3,005 transmission poles and 12,487 distribution poles were replaced during the year. The repainting of a total of 629 transmission towers and the partial repainting of 42 others was carried out in the West Central, Niagara, Toronto, and Northeastern Regions.

## FORESTRY

The persistent growth of brush along transmission and distribution line rights of way is more effectively checked by the periodic application of chemical herbicide than by brush cutting. It is thought that complete control can be achieved and growth can be limited to herbaceous species if areas are sprayed at least three times in the space of ten years. Brush cutting must, however, be continued in areas inaccessible to spraying equipment, or where the present height of woody growth makes spraying uneconomical; a total of 2,184 acres were thus cleared in 1954. Portable brush-cutting machines, newly introduced during the year, substantially increased the area that can be cleared in a given time.

The area being chemically treated has been gradually extended, and year by year a larger acreage of the Commission's rights of way is being sprayed, 16,000 acres in 1954 as compared with 13,600 acres in 1953. About 150 acres of underbrush in the Northwestern Region were sprayed by one of the Commission's helicopters. The Commission has recently developed a new type of vehicle known as a swamp buggy which gives promise of making a valuable contribution in brush control in low-lying swampy areas.

Other items of mechanical equipment, a mechanically operated aerial ladder and electric chain saws, have contributed to improved efficiency in tree pruning. Trees along some 8,300 route miles of transmission and distribution lines were pruned during the year.

In the reforestation work in 1954, there was more planting by hand than usual since about 20 per cent of the area reforested was in widely distributed small plots where only replacements for previous plantings were required. There was no large carryover from the previous year's program as there was in 1953. As a result, the total number of approximately 110,000 seedling trees planted in 1954 was considerably smaller than the unusually high total of 185,000 in 1953.

## SECTION II

### FINANCIAL STATEMENTS

THE financial statements in this section and in Appendix II are presented with reference to the Commission's operations both in the Southern Ontario System and in the Northern Ontario Properties. The statements for the Southern Ontario System relate to activities on behalf of the 318 municipalities served under cost contract and to activities in that part of the rural power district associated with the system. The statements for the Northern Ontario Properties relate to the administration of properties serving 7 municipalities under cost contract and to the administration of other properties held and operated in trust for the Province of Ontario. The latter properties serve municipalities other than those under cost contract, industrial customers, and that part of the rural power district associated with the Northern Ontario Properties.

#### Financial Accounts

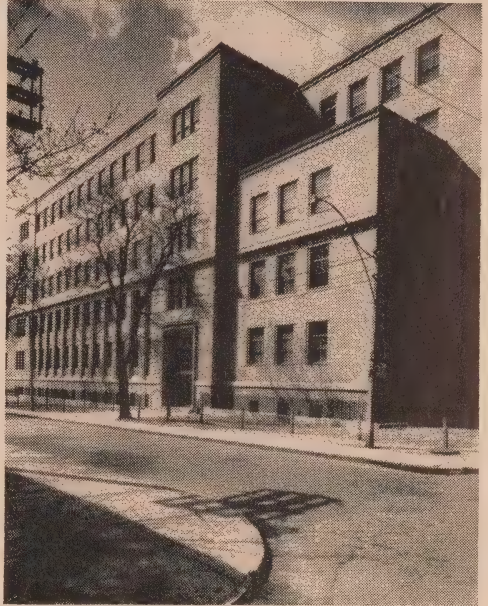
The Foreword to this Report briefly sets forth the principle governing the operations of the Hydro undertaking in supplying electrical service at cost. Reference is made to the wholesale and retail aspects of the operations and in this connection to the respective activities of the Commission and of the municipal electrical utilities. In this section of the Report, which relates only to the Commission's activities, six statements are included. These are the balance sheets and operating statements for the Southern Ontario System and the Northern Ontario Properties, a statement showing the Commission's funded debt, and a statement showing the advances from the Province of Ontario. These statements and the text commentary on them are supported by detailed statements in Appendix II, first for the Southern Ontario System and then for the Northern Ontario Properties. The accounts of the municipal electrical utilities are given in Section VIII.

The accounts of the Commission are verified by auditors appointed by the Provincial Government. The accounts of each municipal electrical utility are kept in accordance with a uniform system of accounting as prescribed by

The Hydro-Electric Power Commission of Ontario. Pursuant to the requirements of The Public Utilities Act they are audited by the auditors of the municipal corporation.

#### **Electrical Service at Cost**

In the application of the basic principle of supplying electrical service at cost, the Commission bills the municipal cost-contract utilities each month at interim rates established at the beginning of the year. At the end of the year, when the Commission's books are closed, the actual cost payable by each municipal utility for power taken is established and the necessary credit or debit adjustments are made. A statement of the cost of power for the Southern Ontario System is given on pages 302 to 319. This statement shows for each cost-contract municipal utility the components of the cost of power, and, in addition to the interim rate per kilowatt and the actual cost on a kilowatt basis, records the year-end adjustments made. A similar statement for the Northern Ontario Properties appears on pages 334 and 335. The adjustments made in 1954 resulted in a total net refund to utilities in the Southern Ontario System amounting to \$3,362,831 and to utilities in the Northern Ontario Properties amounting to \$158,101. The corresponding refunds in 1953 were \$954,620 and \$22,182.



THE NEW ENGINEERING BUILDING  
AT HEAD OFFICE

One element in the cost of power to these municipal utilities is the annual provision for a sinking fund on a forty-year basis for the purpose of retiring the Commission's capital debt. During 1954 certain sinking fund contributions by utilities served under cost contract reached maturity and the cost of power to these utilities was reduced by the amount of the related sinking fund contributions and interest. In that part of the Northern Ontario Properties operated in trust for the Province, sinking fund contributions have been made on a variety of bases. In 1949, however, the Commission instituted a policy of providing sinking fund throughout the Northern Ontario Properties on a forty-year basis to conform with the policy in the Southern Ontario System. The results of this policy are reflected in a reduction in the cost of power.

On the basis of engineering studies undertaken, the estimates of the service life of equipment were revised. As a result, revised depreciation rates were made effective on January 1, 1954 and these are also reflected in the cost of power.

**FINANCIAL OPERATIONS—1954**

Sales of power and energy continued to increase in 1954 both in the Southern Ontario System and in the Northern Ontario Properties. This accounted in large part for the increase in total gross revenue of 7.3 per cent from \$136,948,100 in 1953 to \$146,953,335 in 1954. Financial statistics are given separately for the Southern Ontario System and the Northern Ontario Properties and for the rural power district as part of each.

**SOUTHERN ONTARIO SYSTEM**

Interim rates for power in the system were generally at the same levels as in 1953. The 6.2 per cent increase in total gross revenue from \$117,567,634 to \$124,831,280 largely reflects increased sales. Increased costs of labour were to some extent offset by decreases, largely in the cost of generation, attributable in part to the operation of Sir Adam Beck-Niagara Generating Station No. 2, and in part to the excellence of stream-flows which enabled hydro-electric stations to generate proportionally a larger share of the energy produced. The total cost of providing service after withdrawals from reserves was \$121,451,281, a 4.2 per cent increase over the cost in 1953. Rural revenues and costs are included in the foregoing totals. Rural revenues rose from \$26,406,723 in 1953 to \$29,374,152 in 1954, while costs rose in like proportion from \$26,328,268 to \$29,356,984.

The excess of amounts billed over the cost of providing service was credited, \$3,362,831 to the cost-contract municipalities and \$17,168 to the rural power district rates suspense account.

In the calculation of the 1954 cost of power, \$901,173 was withdrawn from the stabilization of rates reserve. No further contributions were required for the special reserve set up for the purpose of maintaining a ceiling rate to the municipal electrical utilities for the cost of power on a kilowatt basis. It was possible, however, by the withdrawal of \$18,441 in interest from this reserve to establish a ceiling rate at \$50.09 per kilowatt, and 22 municipal utilities in all benefited by the establishment of this rate. Further benefit accrued to 43 utilities in the Southern Ontario System as the result of the maturity of sinking fund contributions. The cost of power to these utilities was reduced in total by \$89,271, the amount of the related sinking fund contributions and interest.

**Frequency Standardization**

The accompanying table of expenditures on frequency standardization shows that the expenditure of \$41,055,302 in 1954 brought the total cost of the program to date to \$206,052,753. Of this total, \$24,207,053 had been spent for equipment, supplies, and other assets to be used for future standardization work, while the cost to the Commission for the work done amounted to \$181,845,700.

The amount charged to the cost of power for frequency standardization in 1954 was \$10,780,501, of which \$3,605,008 was interest to finance the frequency standardization account. The sum of \$178,008 spent on standardization of rural distribution facilities during the year was recovered from

rural revenues. At December 31, 1954 the cost of work, amounting to \$181,845,700, was amortized to the extent of \$101,777,036, and \$80,068,664 was carried forward in the frequency standardization account to be amortized in the future.

**Table of Expenditures by The Hydro-Electric Power Commission of Ontario  
on Frequency Standardization**

	Prior to 1954	During 1954	Total at Dec. 31, 1954	Amounts amortized or to be amortized
	\$	\$	\$	\$
Standardization of customers' equipment and system facilities (charged to frequency standardization account).....	139,069,750	41,947,405	181,017,155	100,948,491
Standardization of rural distribution facilities (charged to rural operation, maintenance, and administrative expense).....	650,537	178,008	828,545	828,545
	139,720,287	42,125,413	181,845,700	101,777,036
Expenditure on inventory of equipment, supplies, and other assets.....	25,277,164	1,070,111	24,207,053	...
Amount to be written off in future years	...	...	...	80,068,664
Value of equipment, supplies, and other assets for future standardization work.....	...	...	...	24,207,053
Total expenditures.....	164,997,451	41,055,302	206,052,753	206,052,753

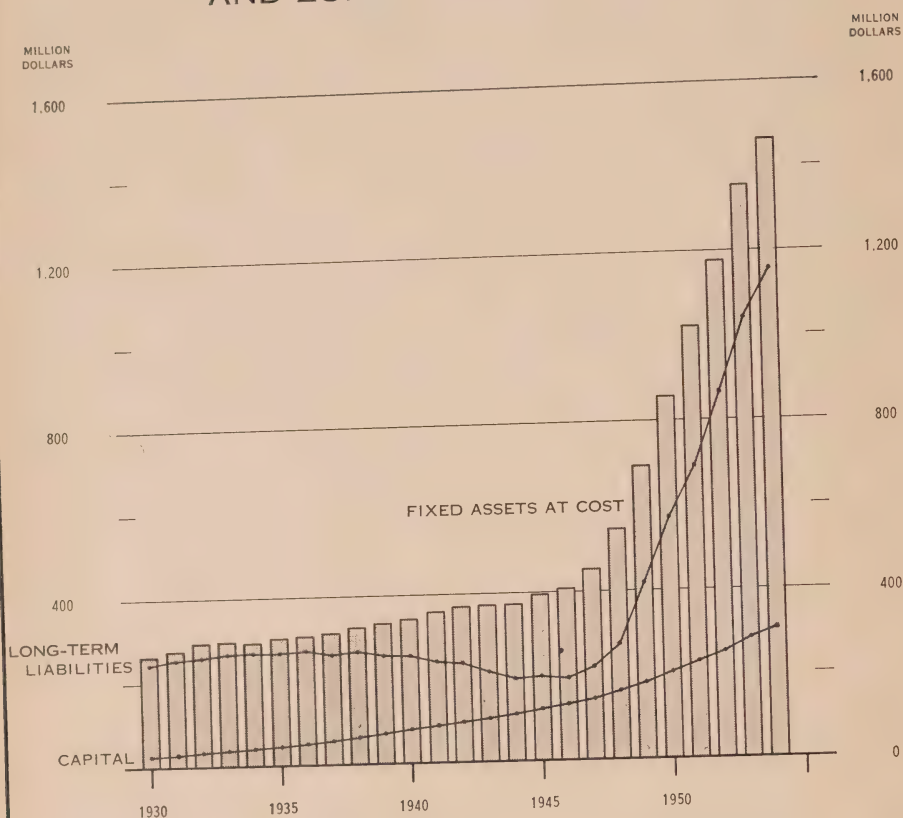
### NORTHERN ONTARIO PROPERTIES

Gross revenues in the Northern Ontario Properties increased 14.1 per cent from \$19,380,466 in 1953 to \$22,122,055 in 1954 while the cost of providing service increased from \$19,537,825 to \$20,668,197, or 5.8 per cent, during the same period. These figures include rural revenues and costs in the Northern Ontario Properties. The former rose from \$2,370,542 in 1953 to \$2,748,268 in 1954, while costs increased from \$2,781,399 to \$3,619,511. The excess of amounts billed over the total cost of providing service in the Northern Ontario Properties was \$1,453,858.

The improved result in the financial operations of the Northern Ontario Properties is attributable in part to an increase of 7.3 per cent in energy sold, in part to higher revenues resulting from the application of revised rates to industrial customers, and in part to the adjustments made in the calculation of reserves as already mentioned on page 21. The increase in the amount of fully paid-up sinking fund in particular made possible a reduction of \$702,206 in the cost of power to customers served on behalf of the Province.

The excess of revenue over the cost of providing service was credited, \$158,101 to the municipalities served under cost contracts and \$1,210,081 to the deficit account of the Province after deducting \$85,676 in interest on this account.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

FIXED ASSETS, CAPITAL,  
AND LONG-TERM LIABILITIES

## SUMMARY OF FINANCIAL POSITION

## Assets

Capital expenditures during 1954 amounted to \$132,817,643, of which approximately 57.7 per cent, or \$76,649,324, was spent on generating facilities. Construction at Sir Adam Beck-Niagara Generating Station No. 2 accounted for \$55,043,211 of the expenditures on generating facilities. The larger part of the remaining \$21,606,113 was spent on the St. Lawrence Power Project, Manitou Falls Generating Station, and the installation of two additional units at Pine Portage Generating Station.

At the end of 1954 the investment in fixed assets at cost amounted to \$1,468,558,729, including rural assets amounting to \$182,467,127. Against this total there was an accumulated reserve for depreciation of \$154,975,237.

At December 31, 1954 the total assets of the Commission after deducting depreciation reserves amounted to \$1,653,063,771.

**Debt Position**

The payment of both principal and interest of all bonds issued by the Commission and held by the public is guaranteed by the Province. Bonds for a total of \$150 million were issued during the year. The net increase in long-term debt outstanding was \$121,145,624, bringing the total at the end of the year to \$1,161,630,183.

**Capital**

During 1954 the Province contributed \$7,563,398 in the form of assistance for the construction of rural distribution facilities, which brought the total contributed for this purpose to \$90,786,082. Sinking fund reserves for the retirement of the Commission's capital debt stood at \$218,035,574 at the end of the year. Of these reserves all but \$6,772,682 held in investments had been used for debt retirement.

## THE HYDRO-ELECTRIC POWER

## SOUTHERN

## BALANCE SHEET

## ASSETS

## FIXED ASSETS AT COST:

Power system .....	\$ 1,055,319,148	
Administrative and service buildings and equipment .....	23,665,538	
Rural power district .....	155,732,879	
	<hr/>	
	\$ 1,234,717,565	
Less accumulated depreciation .....	128,087,379	
	<hr/>	\$ 1,106,630,186

## FREQUENCY STANDARDIZATION:

Equipment, supplies, and other assets for future standardization work .....	\$ 24,207,053	
Cost of completed standardization after charging \$100,948,491 to reserves and cost of power—balance to be written off in future years .....	80,068,664	
	<hr/>	104,275,717

## CURRENT ASSETS:

Cash in banks .....	\$ 4,691,098	
Temporary investments in government securities at amortized cost (approximate market value \$1,001,250) .....	1,009,091	
Working funds .....	190,687	
Power accounts receivable .....	14,431,764	
Other accounts receivable .....	8,091,836	
Rural power district grants receivable .....	180,630	
Interest accrued on investments held for general reserves .....	684,497	
Customers' securities on deposit .....	281,350	
Prepayments and sundry deposits .....	136,401	
Northern Ontario Properties—current account .....	2,077,454	
	<hr/>	31,774,808

## INVENTORIES HELD FOR CONSTRUCTION AND MAINTENANCE:

Materials and supplies at cost .....	\$ 25,119,062	
Tools and equipment at cost less depreciation .....	6,723,921	
	<hr/>	31,842,983

## DEFERRED CHARGES AND OTHER ASSETS:

Debenture discount and expense less amounts written off .....	\$ 15,378,415	
Agreements, mortgages, and sundry investments .....	494,926	
Exchange discount on funded debt .....	3,326,982	
Accounts receivable in annual instalments .....	1,741,438	
Deferred work orders and other assets .....	2,501,910	
	<hr/>	23,443,671

## RESERVE FUND INVESTMENTS:

Government and government-guaranteed bonds (approximate market value \$133,020,313)		
Investments held for special reserves (at amortized cost plus accrued interest)		
Pension fund .....	\$ 52,552,823	
Employer's liability insurance fund .....	4,431,935	
Savings and insurance fund .....	482,891	
Investments held for other reserves (at amortized cost)		
Stabilization of rates and contingencies .....	71,677,971	
Sinking fund .....	700,000	
	<hr/>	129,845,620
		<hr/>
		\$ 1,427,812,985

## Auditors' Report

We have examined the balance sheet of the Southern Ontario System of The Hydro-Electric Power Commission of Ontario as at December 31, 1954 and the statement of operations for the year ended on that date. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying balance sheet and statement of operations present fairly the financial position of the Southern Ontario System of the Commission as at December 31, 1954 (subject to the trusts which prevail in respect thereto) and the results of the operations for the year ended on that date.

Toronto, Canada,  
June 3, 1955.

CLARKSON, GORDON & CO.

Chartered Accountants.

## COMMISSION OF ONTARIO

## ONTARIO SYSTEM

AS AT DECEMBER 31, 1954

## LIABILITIES, RESERVES, AND CAPITAL

## LONG-TERM LIABILITIES (at par of exchange)

including \$6,595,751 maturing in 1955:

Funded debt..... \$ 1,109,714,000

Less—issued to finance Northern Ontario Properties, a  
separate trust operated by the Commission..... 139,960,000

\$ 969,754,000

Advances from the Province of Ontario.... \$ 51,916,183

Less advances for Northern Ontario  
Properties..... 9,037,405

42,878,778

\$ 1,012,632,778

## CURRENT LIABILITIES:

Accounts and payrolls payable and accrued charges..... \$ 18,619,252

Customers' deposits..... 719,430

Interest accrued on long-term liabilities..... 9,096,652

28,435,334

## SPECIAL RESERVES:

Pension fund..... \$ 52,745,425

Employer's liability insurance fund..... 4,394,328

Savings and insurance fund..... 477,575

Exchange premium received on funded debt..... 5,005,257

62,622,585

## GENERAL RESERVE:

Stabilization of rates and contingencies..... 71,570,502

## CAPITAL:

## Sinking fund reserve:

## Represented by—

Funded debt and provincial advances  
retired through sinking funds..... \$ 174,334,733

Sinking fund investments..... 670,236

\$ 175,004,969

## Contributed capital:

Province of Ontario, assistance for rural construction.. 77,546,817

252,551,786

\$ 1,427,812,985

NOTE: Commitments under uncompleted contracts for the construction of fixed assets, approximately \$26,000,000.

## NORTHERN

Held and Operated by The Hydro-Electric Power Commission of Ontario in

## BALANCE SHEET

## ASSETS AND DEFICIT

## FIXED ASSETS AT COST:

Power system.....	\$ 205,802,624	
Administrative and service buildings and equipment.....	1,304,292	
Rural power district.....	26,734,248	
	<hr/>	
	\$ 233,841,164	
Less accumulated depreciation.....	26,887,858	
	<hr/>	\$ 206,953,306

## CURRENT ASSETS:

Cash in banks.....	\$ 225,612	
Working funds.....	29,150	
Power accounts receivable.....	2,581,279	
Other accounts receivable.....	709,565	
Interest accrued on reserve fund investments.....	58,160	
Customers' securities on deposit.....	1,277,075	
Prepayments.....	2,722	
	<hr/>	4,883,563

## INVENTORIES HELD FOR MAINTENANCE:

Materials and supplies at cost.....	\$ 1,322,573	
Tools and equipment at cost less depreciation.....	400,900	
	<hr/>	1,723,473

## DEFERRED CHARGES AND OTHER ASSETS:

Debenture discount and expense less amounts written off... \$	1,647,688	
Exchange discount on funded debt.....	100,098	
Account receivable in annual instalments 1955-1989.....	1,970,911	
Deferred work orders and other assets.....	191,467	
	<hr/>	3,910,164

## RESERVE FUND INVESTMENTS:

Government and government-guaranteed bonds at amortized cost (approximate market value \$9,229,852)		
Held for: Stabilization of rates and contingencies..... \$	3,000,000	
Sinking fund reserve.....	6,072,687	
	<hr/>	9,072,687
DEFICIT—Account of the Province of Ontario.....		785,047

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\$ 227,328,240

## Auditors' Report

We have examined the balance sheet of the Northern Ontario Properties, held and operated by The Hydro-Electric Power Commission of Ontario in trust for the Province of Ontario and municipalities supplied with power at cost, as at December 31, 1954, and the statements of operations and deficit for the year ended on that date. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying balance sheet and statements of operations and deficit present fairly the financial position of the Northern Ontario Properties as at December 31, 1954 (subject to the trusts which prevail in respect thereto) and the results of the operations for the year ended on that date.

CLARKSON, GORDON & CO.  
Chartered Accountants.

Toronto, Canada,  
June 3, 1955.

## ONTARIO PROPERTIES

Trust for the Province of Ontario and Municipalities Supplied with Power at Cost

AS AT DECEMBER 31, 1954

## LIABILITIES, RESERVES, AND CAPITAL

LONG-TERM LIABILITIES (at par of exchange)  
including \$297,576 maturing in 1955:

Funded debt .....	\$ 139,960,000	
Advances from the Province of Ontario .....	9,037,405	
	<hr/>	\$ 148,997,405
Representing the portion of the funded debt and advances from the Province of Ontario owing by The Hydro- Electric Power Commission of Ontario, issued to finance Northern Ontario Properties.		

## CURRENT LIABILITIES:

The Hydro-Electric Power Commission of Ontario—current account .....	\$ 2,077,454	
Accounts and payrolls payable and accrued charges .....	975,073	
Customers' deposits .....	5,318,156	
Interest accrued on long-term liabilities .....	1,173,174	
	<hr/>	9,543,857

## SPECIAL RESERVE:

Exchange premium received on funded debt .....	183,205
------------------------------------------------	---------

## GENERAL RESERVE:

Stabilization of rates and contingencies, for the benefit of:		
Municipalities supplied with power at cost .....	\$ 2,040,594	
Northern Ontario Properties .....	10,293,309	
	<hr/>	12,333,903

## CAPITAL:

Sinking fund reserve:		
Province of Ontario .....	\$ 33,366,586	
Municipalities supplied with power at cost .....	9,664,019	
	<hr/>	\$ 43,030,605

## Represented by—

Funded debt and provincial advances retired through sinking funds .....	\$ 36,978,159
Sinking fund investments .....	6,052,446
	<hr/>
	\$ 43,030,605

## Contributed capital:

Province of Ontario, assistance for rural construction ..	13,239,265	
	<hr/>	56,269,870
		<hr/>
		\$ 227,328,240

## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

## SOUTHERN ONTARIO SYSTEM

STATEMENT OF OPERATIONS  
for the Year Ended December 31, 1954

	Power system	Rural power district	Total
<b>COST OF POWER:</b>	\$	\$	\$
Cost of power purchased.....	12,330,220	...	12,330,220
Interchange of power with Northern Ontario Properties.....	64,735	...	64,735
Operation, maintenance and administrative expenses	33,291,851	8,403,822	41,695,673
Interest (including interest on funded debt and re- serves, less interest earned on investments).....	29,755,690	2,658,776	32,414,466
Frequency standardization:			
Interest.....	3,605,008	...	3,605,008
Portion of cost written off.....	7,175,493	...	7,175,493
Depreciation.....	8,124,701	2,894,459	11,019,160
Stabilization of rates and contingencies provision..	2,689,050	2,064,962	4,754,012
Sinking fund provision—contribution to system capital.....	8,747,251	765,177	9,512,428
	105,654,529	16,787,196	122,441,725
Credit resulting from matured sinking fund.....	89,271	...	89,271
Withdrawal from stabilization of rates reserve.....	901,173	...	901,173
	104,664,085	16,787,196	121,451,281
Cost of power supplied to rural power district.....	12,569,788	12,569,788	...
Total (after withdrawal of \$901,173 from stabiliza- tion of rates reserve).....	92,094,297	29,356,984	121,451,281
<b>AMOUNTS BILLED TO MUNICIPALITIES AND OTHER CUSTOMERS:</b>			
Municipalities at interim rates.....	73,222,691	...	73,222,691
Rural power district.....	...	29,374,152	29,374,152
Companies.....	21,711,674	...	21,711,674
Local distribution systems.....	522,763	...	522,763
Total.....	95,457,128	29,374,152	124,831,280
Excess of amounts billed over cost of power (after withdrawal of \$901,173 from stabilization of rates reserve).....	3,362,831	17,168	3,379,999
Credited to municipalities on annual adjustment...	3,362,831	...	3,362,831
Credited to rural power district rates suspense....	...	17,168	17,168

## NORTHERN ONTARIO PROPERTIES

Held and Operated by The Hydro-Electric Power Commission of Ontario in Trust for the Province of Ontario and Municipalities Supplied with Power at Cost

STATEMENT OF OPERATIONS  
for the Year Ended December 31, 1954

	Province of Ontario			Municipalities supplied with power at cost	Total
	Rural power district	Other customers	Total		
<b>COST OF POWER:</b>	\$	\$	\$	\$	\$
Cost of power purchased .....	...	152,630	152,630	...	152,630
Interchange of power with Southern Ontario System .....	...	64,735	64,735	...	64,735
Operation, maintenance and administrative expenses .....	1,160,836	8,246,678	9,407,514	...	9,407,514
Interest (including interest on funded debt and reserves, less interest earned on investments)	436,640	6,287,749	6,724,389	...	6,724,389
Depreciation .....	515,856	1,588,492	2,104,348	...	2,104,348
Stabilization of rates and contingencies provision .....	255,876	536,196	792,072	...	792,072
Sinking fund provision—contribution to system capital .....	134,960	1,989,755	2,124,715	...	2,124,715
	2,504,168	18,866,235	21,370,403	...	21,370,403
Cost of power to municipalities supplied at cost .....	...	1,877,161	1,877,161	1,877,161	...
Cost of power supplied to rural power district .....	1,115,343	1,115,343	...	...	...
Credit resulting from prepaid sinking fund .....	...	702,206	702,206	...	702,206
Total .....	3,619,511	15,171,525	18,791,036	1,877,161	20,668,197
<b>AMOUNTS BILLED:</b>					
Municipalities supplied with power at cost (at interim rates) .....		...		2,035,262	2,035,262
Rural power district .....	2,748,268	...	2,748,268	...	2,748,268
Other customers .....	...	17,338,525	17,338,525	...	17,338,525
Total .....	2,748,268	17,338,525	20,086,793	2,035,262	22,122,055
Excess or deficiency of amounts billed over cost of power .....	871,243	2,167,000	1,295,757	158,101	1,453,858
<b>Deduct:</b>					
Credited to municipalities on annual adjustment .....			...	158,101	158,101
Interest on borrowings to finance deficit account .....			85,676	...	85,676
Balance transferred to Deficit—Account of the Province of Ontario .....			1,210,081	...	1,210,081

## Statement of Deficit—Account of the Province of Ontario

For the Year Ended December 31, 1954

Balance at debit January 1, 1954 .....	\$ 3,294,142
<b>Deduct:</b>	
Amount transferred at January 1, 1954 from reserves for stabilization of rates and contingencies held for the benefit of the Province of Ontario .....	\$ 1,299,014
Balance transferred from operating account for the year ended December 31, 1954 .....	1,210,081
	<u>2,509,095</u>
Balance at debit December 31, 1954 .....	<u>\$ 785,047</u>

THE HYDRO-ELECTRIC POWER  
FUNDED DEBT AS AT  
Guaranteed as to principal and interest

Date of maturity	Callable at par on or after	Date of issue	Interest rate
			per cent
Mar. 31, 1955-1957 (e).....	...	Mar. 31, 1952	3
Apr. 1, 1956.....	...	Apr. 1, 1947	2
Aug. 1, 1957.....	...	Aug. 1, 1917	4
June 1, 1958.....	...	June 1, 1918	4
Dec. 1, 1958.....	...	Dec. 1, 1918	4
Jan. 1, 1960.....	Jan. 1, 1955	Jan. 1, 1945	3
Mar. 15, 1960.....	Mar. 15, 1959(g)	Mar. 15, 1954	2.60
Mar. 15, 1961.....	Mar. 15, 1959(g)	Mar. 15, 1954	2.65
Mar. 15, 1962.....	Mar. 15, 1959(g)	Mar. 15, 1954	2.70
Mar. 1, 1963.....	Mar. 1, 1961	Mar. 1, 1948	3
Mar. 15, 1963.....	Mar. 15, 1959(g)	Mar. 15, 1954	2.75
Mar. 15, 1964.....	Mar. 15, 1959(g)	Mar. 15, 1954	2.80
May 15, 1964.....	May 15, 1962	May 15, 1954	3
July 2, 1964.....	July 2, 1960	July 2, 1948	3
Dec. 15, 1965.....	Dec. 15, 1963	Dec. 15, 1948	3
May 1, 1966.....	May 1, 1964	May 1, 1951	3½
Jan. 15, 1967.....	Jan. 15, 1965	Jan. 15, 1952	4
Mar. 15, 1967.....	Mar. 15, 1964	Mar. 15, 1953	4¼
Apr. 1, 1967.....	Apr. 1, 1964	Apr. 1, 1947	2¾
Apr. 1, 1967.....	Apr. 1, 1965	Apr. 1, 1949	3
Nov. 1, 1967.....	Nov. 1, 1964	Nov. 1, 1952	4¼
Nov. 1, 1967.....	Nov. 1, 1964	Nov. 1, 1952	4¼
Jan. 15, 1968.....	Jan. 15, 1966	July 15, 1949	3
Apr. 15, 1968.....	Apr. 15, 1966	Apr. 15, 1952	4
Oct. 1, 1968.....	Oct. 1, 1965	Oct. 1, 1947	2¾
July 15, 1969.....	July 15, 1966	July 15, 1953	4¼
July 15, 1969.....	July 15, 1966	July 15, 1953	4¼
Nov. 1, 1969.....	Nov. 1, 1967	Nov. 1, 1949	3
Jan. 1, 1970.....	...	Jan. 1, 1930	4¾
Apr. 1, 1970.....	Apr. 1, 1968	Apr. 1, 1950	3
May 15, 1971.....	May 15, 1956(a)	May 15, 1951	3¼
June 1, 1971.....	June 1, 1961	June 1, 1946	2¾
Sept. 1, 1972.....	Sept. 1, 1956(a)	Sept. 1, 1951	3¼
June 15, 1973.....	June 15, 1971	June 15, 1950	3
Feb. 1, 1975.....	Feb. 1, 1958	Feb. 1, 1953	3¼
Nov. 1, 1978.....	Nov. 1, 1958(f)	Nov. 1, 1953	3⅝
May 15, 1979.....	May 15, 1974	May 15, 1954	3½
Oct. 15, 1979.....	Oct. 15, 1974	Oct. 15, 1954	3½
Mar. 15, 1980.....	Mar. 15, 1959(h)	Mar. 15, 1954	3⅞

Total funded debt (at par of exchange).....

Summary of changes in funded debt

Outstanding at January 1, 1954.....  
Less redemptions during year.....

Add new bond issues during year.....

Outstanding at December 31, 1954.....

Payable in the

Canadian.....  
United States.....  
Canadian, United States, or Sterling.....

(a) Callable at 101. (b) Payable in U.S. funds. (c) Payable in Canadian, U.S., or Sterling funds.  
(d) Held by Province of Ontario and having terms identical with issues sold in the United States, by the Province  
of Ontario, on behalf of the Commission. (e) \$5 million annually 1955-1957. (f) Callable at 102½.  
(g) Callable at a premium of ¼% for each year or fraction thereof between call-date and maturity.  
(h) Callable at 103 prior to March 15, 1961, at ½% less during each three-year period prior to March 15, 1976  
and thereafter at par.

COMMISSION OF ONTARIO  
DECEMBER 31, 1954

by the Province of Ontario (except issues marked\*)

Principal outstanding December 31, 1954

Southern Ontario System	Northern Ontario Properties	Total
\$	\$	\$
15,000,000	...	15,000,000*
5,106,545	4,893,455	10,000,000
8,000,000(c)	...	8,000,000(c)
200,000	...	200,000
100,000	...	100,000
...	7,500,000	7,500,000
4,000,000(b)	...	4,000,000*(b) (d)
4,000,000(b)	...	4,000,000*(b) (d)
4,000,000(b)	...	4,000,000*(b) (d)
25,490,000	8,910,000	34,400,000
4,000,000(b)	...	4,000,000*(b) (d)
4,000,000(b)	...	4,000,000*(b) (d)
13,500,000	1,500,000	15,000,000
26,280,000	13,620,000	39,900,000
45,000,000	...	45,000,000
24,000,000	6,000,000	30,000,000
48,000,000	2,000,000	50,000,000
40,000,000	...	40,000,000
10,703,455	4,096,545	14,800,000
11,600,000	32,400,000	44,000,000
35,000,000	...	35,000,000
22,000,000	3,000,000	25,000,000
37,000,000	6,500,000	43,500,000
50,000,000	...	50,000,000
13,500,000	5,800,000	19,300,000
35,000,000	...	35,000,000
25,000,000	...	25,000,000
38,000,000	11,650,000	49,650,000
11,864,000	...	11,864,000
48,500,000	5,500,000	54,000,000
47,000,000(b)	3,000,000(b)	50,000,000*(b) (d)
14,910,000	4,690,000	19,600,000
48,500,000(b)	...	48,500,000*(b) (d)
52,000,000	2,400,000	54,400,000
50,000,000(b)	...	50,000,000*(b) (d)
45,000,000(b)	5,000,000(b)	50,000,000*(b) (d)
31,500,000	3,500,000	35,000,000
42,000,000	8,000,000	50,000,000
30,000,000(b)	...	30,000,000*(b) (d)
969,754,000	139,960,000	1,109,714,000

during year ended December 31, 1954

\$857,754,000	\$128,965,000	\$ 986,719,000
25,000,000	2,005,000	27,005,000
\$832,754,000	\$126,960,000	\$ 959,714,000
137,000,000	13,000,000	150,000,000
\$969,754,000	\$139,960,000	\$1,109,714,000

following currencies:

\$721,254,000	\$131,960,000	\$853,214,000
240,500,000	8,000,000	248,500,000
8,000,000	...	8,000,000
\$969,754,000	\$139,960,000	\$1,109,714,000

THE HYDRO-ELECTRIC POWER

ADVANCES FROM THE PROVINCE OF

Repayable to the Province in accordance with the terms of Province

Date of maturity	Description	Interest rate
		per cent
December 1, 1955.....	Serial bonds	4½
January 15, 1955-1957.....	Serial bonds	4½
November 1, 1955-1957.....	Serial bonds	4½
May 15, 1955-1968.....	Annuity bonds	4
May 15, 1955-1970.....	Annuity bonds	4½
January 15, 1955-1971.....	Annuity bonds	4½
June 1, 1955-1971.....	Annuity bonds	4
May 1, 1959.....	Bonds	5
December 2, 1960.....	Bonds	5
Total advances (at par of exchange).....		

Summary of changes in advances from the Province

Balance of advances at January 1, 1954.....	
Less repayments during year.....	
Balance of advances at December 31, 1954.....	

COMMISSION OF ONTARIO

**ONTARIO AS AT DECEMBER 31, 1954**

of Ontario bonds issued in part for the purposes of the Commission

Balance of advances outstanding December 31, 1954  
(Payable in Canadian, United States, or Sterling funds)

Southern Ontario System	Northern Ontario Properties	Total
\$	\$	\$
154,765	35,942	190,707
570,688	137,056	707,744
1,005,694	119,498	1,125,192
6,495,044	438,669	6,933,713
5,363,102	1,299,736	6,662,838
2,918,178	716,826	3,635,004
3,731,040	1,376,919	5,107,959
11,129,972	2,328,952	13,458,924
11,510,295	2,583,807	14,094,102
<u>42,878,778</u>	<u>9,037,405</u>	<u>51,916,183</u>

of Ontario during year ended December 31, 1954

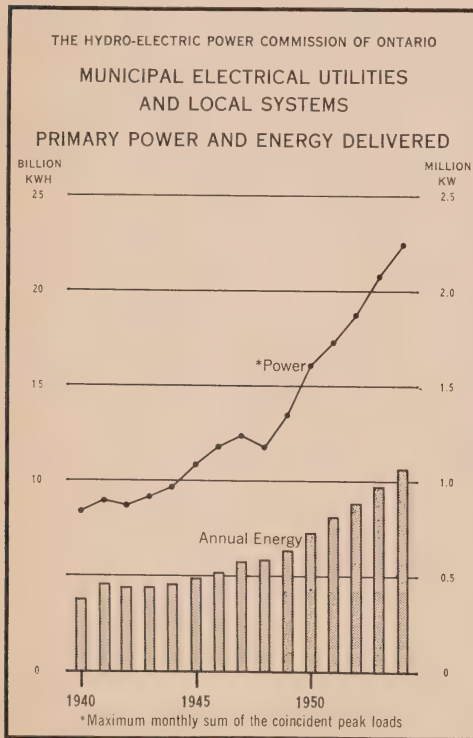
\$44,437,727	\$ 9,327,832	\$53,765,559
1,558,949	290,427	1,849,376
<u>\$42,878,778</u>	<u>\$ 9,037,405</u>	<u>\$51,916,183</u>

## SECTION III

### THE COMMISSION'S CUSTOMERS

THIS section on the Commission's customers deals for the most part with the delivery of power in wholesale quantities—to municipal utilities and local systems, to direct industrial customers, and to the rural power district.

The retail distribution of electric energy within municipalities served by utilities and Commission-owned local systems is discussed in Section VIII. The other aspect of retail service, the distribution of energy to ultimate customers in the rural operating areas, is for convenience included as a complement to the wholesale aspect in the discussion of the Commission's rural electrical service, which appears on page 38. Supplementary tables of rural rates and statistics appear in Appendix III.



through facilities of the rural power district. The combined total of 1,301 communities included 27 cities, 133 towns, 11 townships, 10 improvement

districts, 150 villages, 172 police villages, and 798 townships organized and unorganized.

## MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

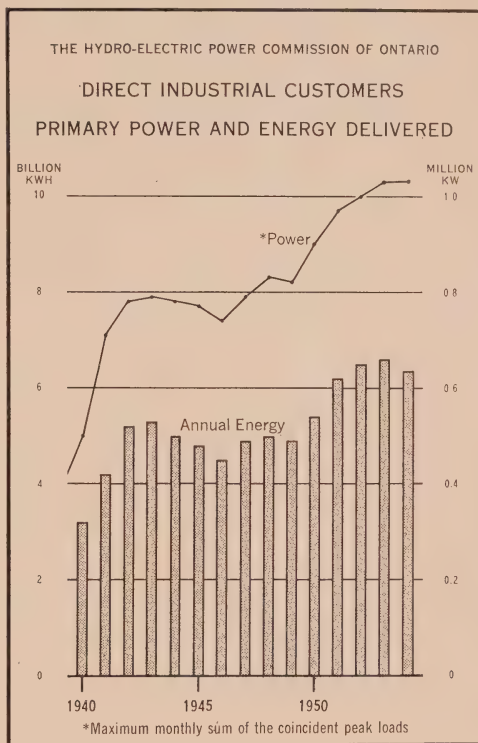
Energy for distribution in the municipalities referred to in the preceding paragraph was delivered to 338 municipal utilities under contracts with the Commission, and to 32 Commission-owned local systems. The towns of Dryden, Hawkesbury, Orillia, and Rockland, the township of West Ferris, and the villages of Grand Bend and Wasaga Beach were added to the first group during 1954. Hawkesbury and Wasaga Beach were formerly served through Commission-owned local systems; Grand Bend and West Ferris Township were formerly served through rural facilities. The villages of Blind River and Ignace were served for the first time through Commission-owned local systems in 1954. The additions to the number of the Commission's municipal customers were offset in part, first by the incorporation of the village of Agincourt with that of the township of Scarborough, and second by the amalgamation of Cottage Cove and Red Lake Townsites.

The maximum monthly sum of the coincident peak loads of the utilities and local systems was 2,247,031 kilowatts, an increase of 7.9 per cent over the maximum in 1953. The corresponding energy supplied during the year amounted to 10,683,555,685 kilowatt-hours, an increase of 8.7 per cent over the total delivered in 1953.

The peak loads of the various municipal utilities and local systems are given in the table beginning on page 280. Each peak load represents the maximum average demand of the municipality during any twenty consecutive minutes in the month of December, and is obtained by reading coincident values at all points of delivery.

## DIRECT INDUSTRIAL CUSTOMERS

The Commission was serving directly at December 31, 1954 a total of 188 industrial customers. Such customers, whose requirements cannot be readily supplied through the facilities of a municipal utility or those of a rural operating area, normally provide for their own step-down transformation



and buy power at transmission or subtransmission voltage. Nine new customers had been added during the year, including four mines, two oil pumping-stations, and a chemical plant. Six mines were among the ten industrial customers whose contracts were terminated during the year.

The pulp and paper and the mining industries received in total nearly half the primary energy delivered to direct industrial customers during the year and both showed increases in energy consumption over 1953. The energy delivered to the steel and electro-metallurgical industry was less by nearly 33 per cent than the energy delivered in 1953. This reduction, together with reduced consumption by the abrasive industry, the electro-chemical industry, and by other miscellaneous groups of power users, more than offset increases registered by other industries. The result was a 3.7 per cent decrease in annual primary energy delivered to direct industrial customers from 6,608,186,131 kilowatt-hours in 1953 to 6,361,278,566 kilowatt-hours in 1954.

**PRIMARY POWER AND ENERGY SUPPLIED TO DIRECT INDUSTRIAL  
CUSTOMERS, BY TYPES OF INDUSTRY**

Type of industry	Average of the monthly peak loads		Annual energy delivered		Increase or decrease
	1953	1954	1953	1954	
	kw	kw	kwh	kwh	per cent
Pulp and Paper.....	189,237	206,835	1,363,773,654	1,481,387,004	8.6
Mining:					
(a) Gold.....	83,772	83,349	566,385,817	582,596,906	2.9
(b) Silver and Cobalt.....	4,339	5,063	22,476,053	27,230,732	21.2
(c) Base Metals.....	125,752	136,807	891,571,185	938,761,523	5.3
(d) Non-Metals.....	2,906	3,390	16,766,512	18,137,665	8.2
Quarrying, Cement, and Basic Building Materials.....	24,530	26,295	159,291,906	166,599,155	4.6
Steel and Electro-Metallurgical.....	191,501	141,678	965,191,120	648,789,680	32.8
Abrasives.....	69,836	66,962	545,098,935	521,514,964	4.3
Chemical, Electro-Chemical, and Cyanamid.....	156,752	145,255	1,171,017,165	1,129,957,956	3.5
Grain Elevators and Milling.....	8,259	8,333	31,367,210	32,763,950	4.5
Transportation Services and Com- munications.....	2,362	3,320	12,170,462	15,586,717	28.1
Government Services and Institutions	16,630	21,381	77,233,907	92,692,442	20.0
General Manufacturing.....	67,473	72,031	333,137,442	339,819,382	2.0
Miscellaneous.....	64,727	60,620	452,704,763	365,440,490	19.3
Total.....	1,008,076	981,319	6,608,186,131	6,361,278,566	3.7

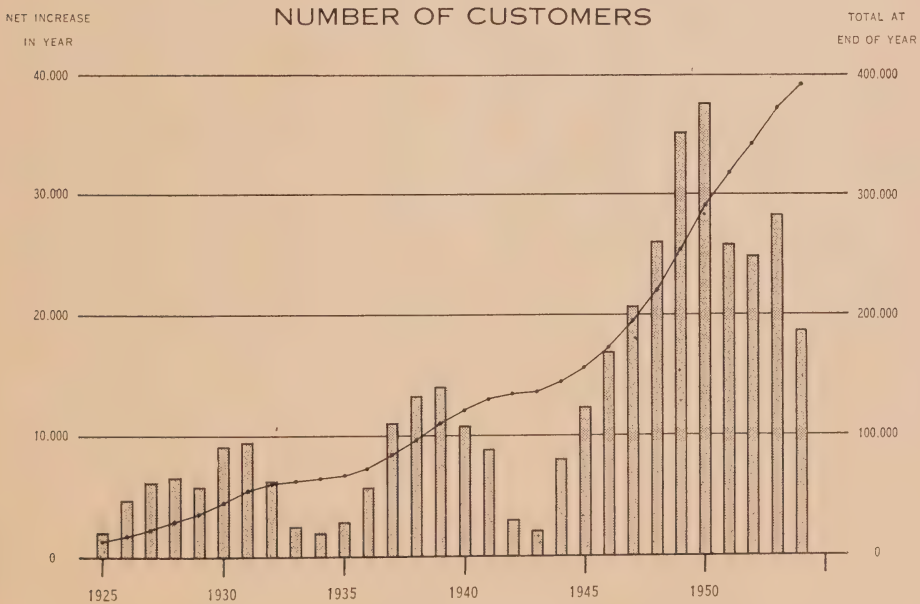
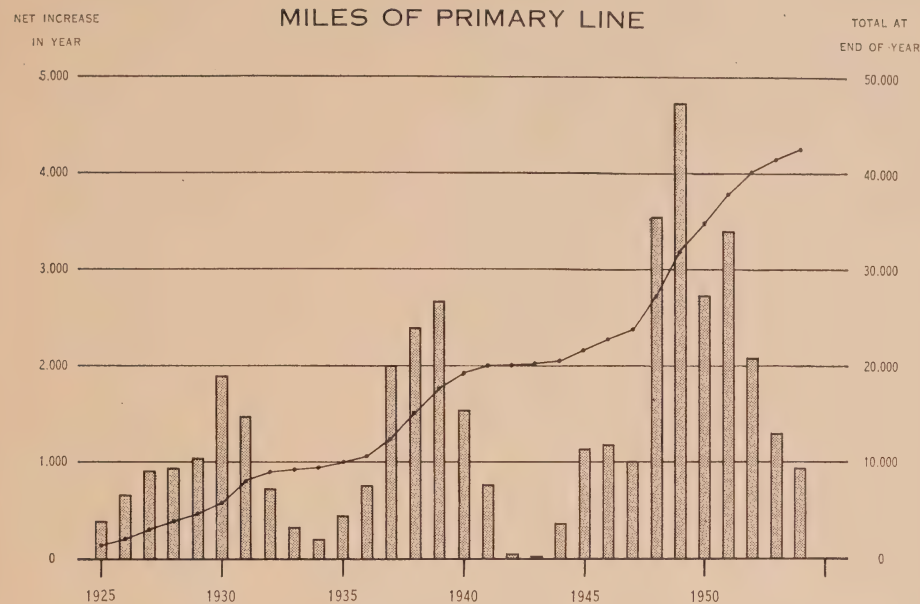
**RURAL ELECTRICAL SERVICE**

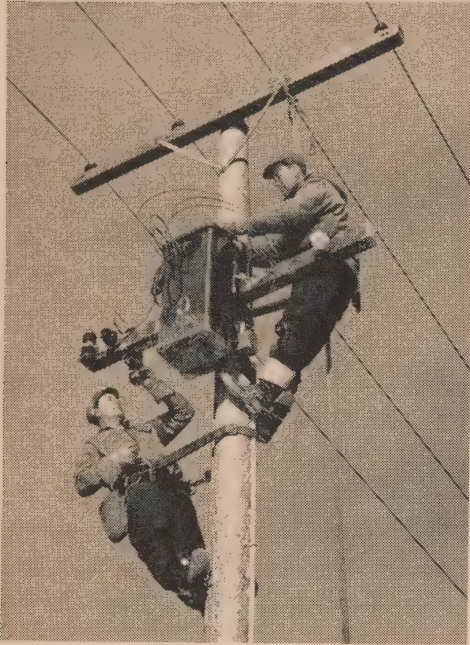
During the year there were increases in the number of rural customers served and in miles of rural primary line in service. By comparison with recent years of rapid expansion, however, 1954 was particularly a year of consolidation and improvement of existing rural facilities.

During 1954 the total number of rural operating areas served was reduced from 108 to 105 through amalgamations carried out in the Southern Ontario System. The Brighton and Millbrook Areas in the East Central

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

RURAL POWER DISTRICT





RURAL ELECTRICAL SERVICE  
Line crew installing a 3-kva transformer

Region were merged respectively with the Frankford and Peterborough Areas, and Carleton Place Area was amalgamated with the Perth Area in the Eastern Region.

The total number of miles of primary line in service in the rural power district increased by a net amount of 951, or 2.3 per cent, to reach 42,540 miles at the end of 1954. The corresponding net increase in number of customers during the year was 18,762, or 5.0 per cent, and the total number of customers served at the end of the year was 390,617. Of this net increase in number of customers, over half were hamlet service customers and approximately a quarter were summer service customers. Of the remainder, 2,491 were farm service customers. The largest increase in number of farm customers, proportional to 1953, took place in the Northeastern Region.

### RURAL POWER DISTRICT

#### NET INCREASE IN MILEAGE OF PRIMARY LINES AND NUMBER OF CUSTOMERS DURING 1954

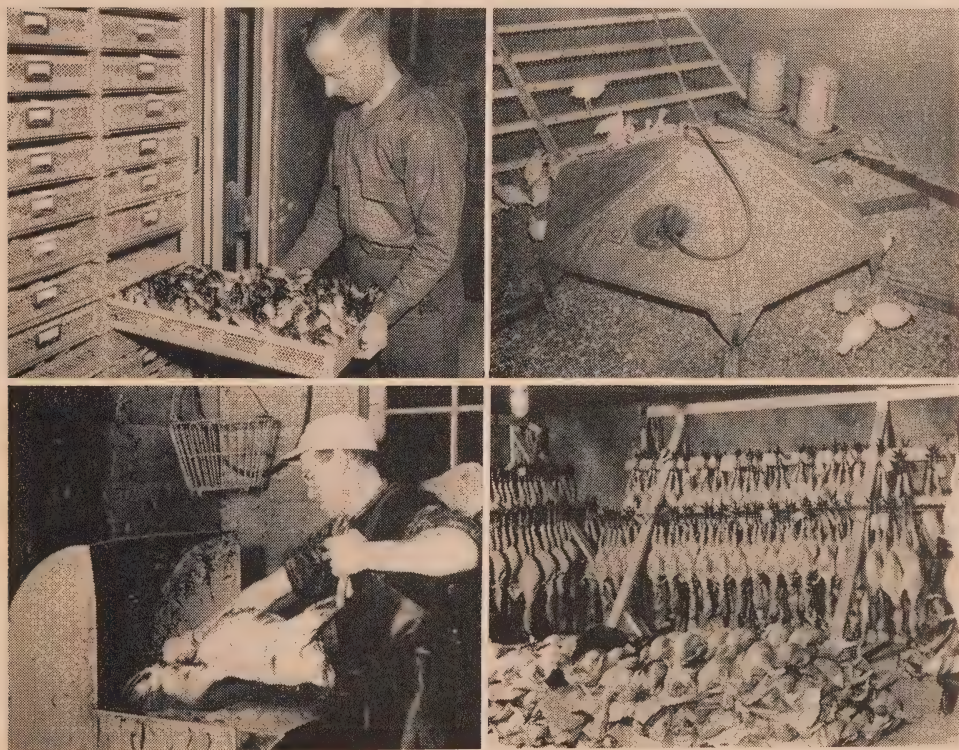
System and Region	Miles of primary line	Number of customers					
		Farm	Hamlet	Commer- cial	Summer	Power	Total
SOUTHERN ONTARIO							
Western.....	107.39	405	3,030	287	153	63	3,634
West Central.....	53.87	393	2,237	251	253	38	3,172
Niagara.....	14.32	75	1,448	127	62	17	1,729
Toronto.....	110.60	462	2,681	98	34	12	3,219
Georgian Bay.....	191.74	538	1,142	222	2,103	17	4,022
East Central.....	282.44	498	1,783	277	1,269	23	3,850
Eastern.....	166.85	549	1,580	209	509	22	2,869
Total.....	706.01	1,998	8,539	1,275	4,077	168	16,057
NORTHERN ONTARIO PROPERTIES							
Northeastern.....	162.25	420	1,071	171	275	9	1,946
Northwestern.....	82.52	73	315	87	284	...	759
Total.....	244.77	493	1,386	258	559	9	2,705
Total—All systems.....	950.78	2,491	9,925	1,533	4,636	177	18,762

Italic figures indicate net decrease.

The net increases which occurred in most regions first in miles of line and second in the number of various classes of customers were offset to a considerable extent in the Toronto and Western Regions by net decreases due to annexation of suburban areas by municipalities. The resulting total net increase in number of customers was smaller than in any of the previous seven years and the net increase in miles of line was smaller than in any of the previous nine years. The emphasis of the rural program in 1954 was placed on improvements to existing lines and upon the consolidation of the rural extensions so rapidly carried out particularly between 1949 and 1953. The diagram given on page 39 demonstrates that the number of rural customers served did not reach 100,000 until 1939, eighteen years after the enactment of The Rural Hydro-Electric Distribution Act. This number was nearly doubled in the following nine years, and almost doubled again in the next seven years, the period of the greatest growth in the history of rural electrification in Ontario. At the end of 1954 more than one in every three rural customers throughout the Province was a farm service customer.

#### Capital Investment

The net increase in fixed assets representing rural distribution facilities amounted in 1954 to \$15,457,641. The Provincial Government's grant-in-aid for the same period, made in accordance with The Rural Hydro-Electric



FARM ELECTRIFICATION

Upper Left: Turkey poults hatched in an incubator on a poultry farm.

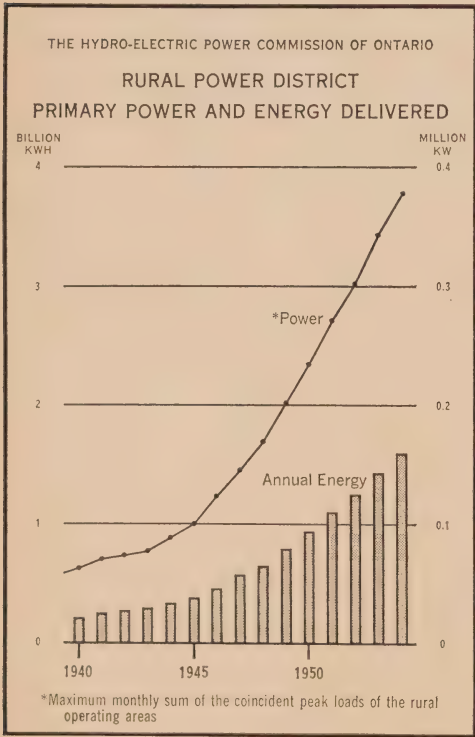
Upper Right: An electrically-heated brooder keeps young poultry warm and healthy.

Lower Left: A mechanical plucker aids in preparing fowl for market.

Lower Right: Fowl ready for marketing are kept fresh in this refrigerated room.

RURAL POWER DISTRICT  
INVESTMENT IN FIXED ASSETS AT COST AS AT DECEMBER 31

System and Region	1953	1954	Net increase
SOUTHERN ONTARIO	\$	\$	\$
Western.....	28,467,062	31,467,968	3,000,906
West Central.....	24,151,819	26,193,356	2,041,537
Niagara.....	6,839,869	7,499,868	659,999
Toronto.....	9,728,281	9,923,314	195,033
Georgian Bay.....	29,491,111	32,486,886	2,995,775
East Central.....	22,769,801	25,657,968	2,888,167
Eastern.....	20,836,985	22,503,518	1,666,533
Total.....	142,284,928	155,732,878	13,447,950
NORTHERN ONTARIO PROPERTIES			
Northeastern.....	17,112,106	18,693,492	1,581,386
Northwestern.....	7,612,451	8,040,756	428,305
Total.....	24,724,557	26,734,248	2,009,691
Total—All systems.....	167,009,485	182,467,126	15,457,641
Provincial assistance.....	83,222,684	90,786,082	7,563,398



Distribution Act, was \$7,563,398. The net increase during the year brought the total capital investment in rural distribution facilities to \$182,467,126, of which \$90,786,082 had been provided by the Provincial Government in the form of assistance for the construction of rural facilities.

Load Growth

The accompanying diagram illustrates the continuing rapid growth in primary power loads supplied to the rural power district. A 10.2 per cent increase in 1954 brought the maximum monthly sum of the coincident peak loads of the rural operating areas to 379,056 kilowatts, more than double the corresponding figure of six years ago. Primary energy delivered in wholesale quantities to the rural power district in 1954 amounted in total to 1,605,933,434 kilowatt-hours as compared with 1,430,520,964 kilo-

watt-hours in 1953, an increase of 12.3 per cent.

All classes of rural service showed increases in the number of customers supplied and all classes consumed more energy. The total retail consumption amounted to 1,431,918,773 kilowatt-hours during the year, an increase of

## RURAL ELECTRICAL SERVICE 1944-1954

## Customers, Revenue, and Consumption by Classes of Service

Class of service	Year	Revenue	Consumption	Cus- tomers	Monthly consump- tion per customer	Average cost per kwh
		\$	kwh	No.	kwh	cents
Farm.....	1944	2,396,508.94	113,706,660	56,639	167	2.110
	1945	2,606,431.15	137,194,727	65,141	183	1.900
	1946	3,072,921.16	176,460,859	72,285	214	1.741
	1947	3,430,307.61	206,420,795	78,668	228	1.662
	1948	3,942,730.96	242,291,332	87,530	243	1.627
	1949	4,508,978.00	275,946,330	102,051	243	1.634
	1950	7,441,437.92	403,018,641	114,724	266	1.846
	1951	8,097,710.92	410,722,321	123,434	287	1.972
	1952	9,017,321.17	468,478,642	129,451	309	1.925
	1953	11,053,487.41	510,783,290	133,522	324	2.164
	1954	12,207,502.58	561,672,463	136,013	347	2.173
Hamlet.....	1944	1,937,102.28	82,106,734	56,130	125	2.360
	1945	2,027,283.82	92,056,781	58,867	133	2.202
	1946	2,345,531.81	118,287,655	66,177	158	1.982
	1947	2,754,265.69	150,411,043	74,879	178	1.831
	1948	3,279,149.63	185,225,412	85,598	192	1.770
	1949	3,552,600.42	200,875,642	94,852	186	1.769
	1950	5,712,108.72	302,905,040	114,592	207	1.886
	1951	6,380,808.20	314,271,957	124,091	219	2.030
	1952	7,253,640.00	366,600,438	133,193	238	1.979
	1953	9,560,018.46	430,507,266	150,627	253	2.221
	1954	11,194,393.02	510,800,965	160,552	274	2.192
Commercial.....	1944	341,646.50	15,010,213	8,262	154	2.276
	1945	381,570.09	18,915,619	8,870	184	2.017
	1946	468,391.94	25,069,924	10,315	218	1.868
	1947	572,625.58	33,304,037	11,851	250	1.719
	1948	706,949.62	41,665,764	13,589	273	1.697
	1949	1,147,167.71	69,458,813	18,439	361	1.652
	1950	2,083,696.71	113,039,553	18,749	434	1.843
	1951	2,284,851.74	115,121,444	20,110	494	1.985
	1952	2,457,032.13	125,932,132	24,564	470	1.951
	1953	3,385,239.46	149,120,428	28,870	465	2.270
	1954	3,707,824.28	166,176,082	30,403	467	2.231
Summer.....	1944	435,622.43	11,859,662	19,291	53	3.673
	1945	473,887.53	14,250,142	20,947	59	3.325
	1946	555,833.10	18,352,748	24,244	68	3.029
	1947	632,102.22	21,116,561	27,182	68	2.993
	1948	722,951.54	24,440,522	31,088	70	2.958
	1949	855,107.11	28,038,463	37,313	68	3.050
	1950	1,376,606.36	32,307,669	43,735	66	4.261
	1951	1,616,368.92	36,705,187	49,913	65	4.404
	1952	1,826,359.64	40,319,422	55,159	64	4.530
	1953	1,833,881.12	34,287,310	57,547	51	5.349
	1954	2,034,199.00	38,613,327	62,183	54	5.268
Power.....	1944	909,151.13	70,347,788	640	9,232	1.292
	1945	801,755.45	61,780,750	608	8,251	1.298
	1946	695,585.62	52,234,081	756	6,382	1.332
	1947	791,701.84	56,514,985	817	5,984	1.401
	1948	868,667.70	64,376,898	909	6,216	1.349
	1949	922,265.51	62,692,652	976	5,552	1.471
	1950	1,429,465.54	87,983,478	1,011	6,326	1.625
	1951	1,562,608.29	87,692,082	1,058	7,067	1.782
	1952	1,799,924.89	102,608,301	1,170	7,676	1.754
	1953	2,147,899.48	121,310,479	1,289	8,222	1.771
	1954	2,545,737.21	148,176,508	1,466	8,964	1.718

The above figures include customers billed and service rendered during a twelve-month period ending in the fiscal year. Since in 1950 the fiscal period was adjusted to end at December 31, the figures for 1950 cover 14 months.

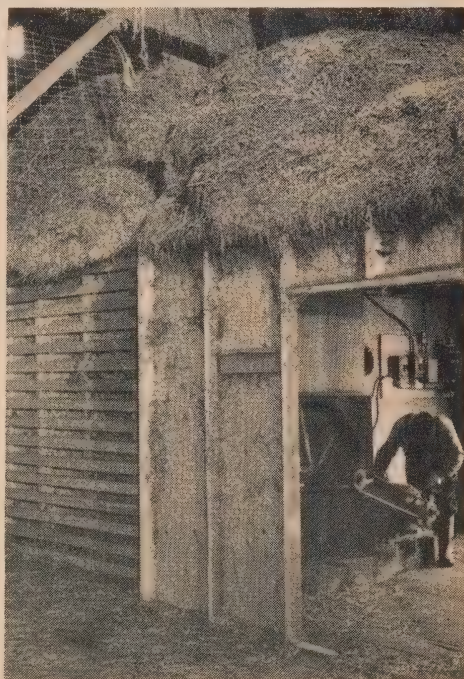
nearly 180 million kilowatt-hours over the total in 1953. Substantial increases in average monthly energy consumption were shown by farm and hamlet service customers.

**MILES OF LINE AND NUMBER OF CUSTOMERS IN RURAL OPERATING AREAS AT DECEMBER 31, 1954**

System and Region	Miles of primary line	Number of customers					
		Farm	Hamlet	Commercial	Summer	Power	Total
<b>SOUTHERN ONTARIO</b>							
Western .....	7,383.41	30,868	35,177	5,359	6,192	364	77,960
West Central .....	6,165.01	24,614	23,941	3,820	3,270	262	55,907
Niagara .....	1,330.88	6,243	15,680	1,614	1,952	159	25,648
Toronto .....	1,827.40	6,318	14,652	1,983	4,157	159	27,269
Georgian Bay .....	8,563.37	23,116	16,309	5,118	24,997	109	69,649
East Central .....	6,400.45	17,271	19,029	4,525	11,853	123	52,801
Eastern .....	5,645.56	17,529	15,362	4,059	5,067	155	42,172
Total .....	37,316.08	125,959	140,150	26,478	57,488	1,331	351,406
<b>NORTHERN ONTARIO PROPERTIES</b>							
Northeastern .....	3,499.34	6,715	16,635	2,921	3,273	109	29,653
Northwestern .....	1,724.23	3,339	3,767	1,004	1,422	26	9,558
Total .....	5,223.57	10,054	20,402	3,925	4,695	135	39,211
<b>Total—All systems .....</b>	<b>42,539.65</b>	<b>136,013</b>	<b>160,552</b>	<b>30,403</b>	<b>62,183</b>	<b>1,466</b>	<b>390,617</b>



Left: **ELECTRICALLY-HEATED GREENHOUSES**—The tomato plants seen in this greenhouse were grown during winter, but in constant summer temperatures maintained by electrically-operated heaters and ventilators. Plants are kept fresh and vigorous by electrically-controlled irrigation machines.



Right: **ELECTRIC HAY DRIER**—One of the many examples of electricity serving the farmer, this electrically-operated hay drier circulates air through the mow.

The average cost per kilowatt-hour for hamlet, commercial, summer, and power services was somewhat lower than in 1953; the average cost per kilowatt-hour for farm service was, on the other hand, slightly higher.

The five main classes of rural electrical service—farm, hamlet, commercial, summer, and power—are briefly described in Appendix III. Uniform rates apply throughout the Commission's systems for each of the first four classes, so that all customers within any one class, if they have the same rating and consume the same number of kilowatt-hours per month, receive a bill for the same amount regardless of where they are located. A table of the uniform rates and a table of rates for power service in the various rural operating areas are included in Appendix III, as well as information on miles of line and number of customers. A table supplementary to the table on page 43 appears on page 346 and deals with rural services in the years 1928 to 1943.

## REPORTS FROM THE REGIONS AND SERVICES TO CUSTOMERS

A regional office is located in each of the nine regions of the Province in order to administer the affairs of the Commission effectively and to bring the public into close touch with its staff. These offices are located in the following municipalities: London, Hamilton, Niagara Falls, Toronto, Barrie, Belleville, Ottawa, North Bay, and Port Arthur. The regional manager and his staff, which includes representatives of the main divisions of the Head Office organization, are responsible within the region for the day-to-day activities of the Commission.

A variety of services are made available to customers—municipal, industrial, and rural—through the Commission's staff both in the regional offices and at Head Office. Some of these services are discussed on pages 53-54. The regional staffs in particular co-operate closely with the municipal utilities and when required give advice and assistance to them in their engineering and administrative problems. Engineering and construction work in the improvement or extension of a municipal distribution system may on occasion actually be carried out by the Commission's staff at the request of a utility. Reports relative to activities of particular importance to certain municipalities follow. The municipalities are grouped in their respective regions, and the order of the regions is that followed above in naming the municipalities where regional offices are located.

### WESTERN REGION

Frequency standardization was completed in seven municipalities in the region during 1954: Cottam, Essex, Kingsville, La Salle, Leamington, Wallaceburg, and Wheatley.

**Brigden**—Extensive rehabilitation of the distribution system was carried out.

**Grand Bend**—This municipality, formerly served through the rural power district, purchased the distribution system in the village and entered into a cost contract with the Commission effective July 21, 1954. A Public Utilities Commission was established by a special vote of the electors and commissioners were elected at the regular December elections.

**Ingersoll**—A two-way radio installation was made to provide communication between the utility's office and its service trucks.

**Kingsville**—A new 1,000-kva substation was built by a power service customer to receive power at 27.6 kv.

**London**—An addition to the McCormick Boulevard Substation increased its total capacity from 3,000 to 5,100 kva. Additional circuit facilities were provided to supply new and growth loads in the east end of the city.

**Otterville**—The distribution-system voltage was changed from 4,000 to 8,000 volts to conform with the distribution voltage in the surrounding rural area.

**Sarnia**—A new 2,700-kva municipal station was placed in service in the northern part of the city to serve several subdivisions and commercial establishments.

**Windsor**—Construction of the first of a series of cottage-style substations was begun as part of an extensive program to enlarge station facilities. Construction of a new office building was also begun during the year.

#### WEST CENTRAL REGION

Frequency standardization was completed in five municipalities during the year: in Galt, Kitchener, and Waterloo where 60-cycle power had been made available to meet load growth, and in Acton and Waterdown. In order to meet growth in certain loads in Hespeler 60-cycle power was made available in 1954.

In Drayton and Moorefield a change in distribution voltage from 4,000 volts to 8,000 volts was effected. In Ancaster Township and St. George distribution facilities were extended to serve new residential subdivisions.

**Brantford**—Facilities for the storage of materials and equipment and new garage facilities were provided for the use of the local utility.

**Caledonia**—A new 1,500-kva Commission-owned distributing station was placed in service to supply the village, and distribution circuits were extensively rearranged.

**Dundas**—A small part of Ancaster Township was annexed by the village; 29 customers and half a mile of primary line were transferred to the local utility from the rural operating area as a result of the annexation.

**Galt**—With the completion of frequency standardization, the supply voltage to the municipal utility was established uniformly at 27.6 kv and supply at 13.8 kv was discontinued.

**Hamilton**—Frequency standardization in the city began in August. The entire Mountain area was standardized and some work was done in the west end of the city. Extensive additions were made to the 13.8-kv underground system and some overhead circuits were built to accommodate a supply of 60-cycle power made available at Ontario Hydro's new Hamilton-Mohawk Transformer Station. A new shortwave radio installation has facilitated frequency standardization by providing two-way communication between the control and operating staffs. The new equipment provides improved service to all customers.

**Kitchener**—A new municipally-owned, 115—13.8-kv, 60-cycle transformer station was constructed in the east end of the city. Named after the late Chairman of the Public Utilities Commission, Harvey J. Graber, this station has a capacity of 33,000 kva. A second 115-kv station, Kitchener Transformer Station, was purchased from Ontario Hydro and arrangements were made to increase the capacity of this station at 60 cycles from 46,000 to 66,000 kva.

**Paris**—A new 2,000-kva municipal substation was placed in service in September.

**Simcoe**—Part of Woodhouse Township was annexed, which resulted in half a mile of primary rural distribution line and 42 rural customers being transferred to the municipal utility.

**Stoney Creek**—A new 2,000/3,600-kva dual-frequency distributing station was built by Ontario Hydro to supply the rapidly growing load in the municipality. The distribution system was extended to provide service to eight new subdivisions.

**Stratford**—In December the third municipal substation was placed in service with a capacity of 5,000 kva.

#### NIAGARA REGION

In meeting the requirements for 60-cycle power, seven new 60-cycle stations were placed in service in municipalities in the Niagara Region. Three of these were municipal stations in the city of Niagara Falls and the others were owned by direct industrial customers, two in Niagara Falls, one in Dunnville, and one in Port Colborne. In the last two municipalities, 60-cycle power was made available for the first time in 1954. Frequency standardization was completed in Queenston.

**Chippawa**—The Commission-owned distributing station supplying the municipality was increased in capacity from 750 to 1,500 kva.

**Dunnville**—Sixty-cycle power was made available in Dunnville and a new power service customer was supplied at this frequency. A 3,000-kva, 60-cycle transformer bank was added at Dunnville Municipal Station.

**Niagara**—A new 2,000/3,600-kva dual-frequency municipal station was placed in service at 25 cycles.

**Stamford Township**—Alterations were made to two municipal stations to enable them to supply 60-cycle power.

#### TORONTO REGION

Four municipalities—Forest Hill, Georgetown, Weston, and York Township—were standardized at 60-cycle frequency during the year. On January 1, 1954, following the passage of legislation creating the Toronto Metropolitan Area, the utilities of three townships extended their service areas to include the whole of their respective townships. A total of 5,224 customers, formerly served through the rural power district, were transferred,

4,300 to Scarborough Public Utilities Commission, 501 to North York Hydro-Electric Commission, and 423 to Etobicoke Hydro-Electric Commission.

**Campbellville**—The distribution system was changed from 4-kv to 8-kv operation to conform with a general voltage change in the surrounding rural area.

**Etobicoke Township**—Four new 3,000/4,000-kva dual-frequency bungalow-type substations were placed in service and ten new power service customers were supplied at 27.6 kv. Some 4,500 new services were added during the year in addition to those transferred from Woodbridge Rural Operating Area.



BAILEY BRIDGING USED TO REPLACE BRIDGES  
DAMAGED BY FLOOD

Some of the 750 tons of Bailey bridging equipment lent by Ontario Hydro temporarily replacing a bridge on a highway near Toronto

**Milton**—Following the annexation by Milton of 612 acres of Trafalgar Township, the local utility purchased from the Commission the rural distribution facilities supplying the 44 customers in the annexed area.

**North York Township**  
Three new 5,000-kva substations were placed in service and five new power service customers were provided with 27.6-kv service. In addition to the customers transferred from Woodbridge, Richmond Hill, and Markham Rural Operating Areas, some 5,900 new services were connected during the year.

**Scarborough Township**—Four new 5,000-kva substations and two 3,000-kva temporary substations were placed in service in 1954. Some 6,900 new services were added during the year in addition to the 4,300 customers transferred from Markham Rural Operating Area. Another 411 customers were transferred when Scarborough Public Utilities Commission took over the distribution facilities in the village of Agincourt, formerly a cost-contract customer of Ontario Hydro.

**Toronto**—During the year installation of the 13.2-kv, 60-cycle underground system continued. Service at 13.2 kv, 60 cycles was supplied to another twenty of the system's larger power service customers to expedite frequency standardization of their plants. In addition, 60-cycle power was supplied for the Lawrence and Davisville substations of the Toronto Transit Commission, and the 25-cycle rotary converters at the Danforth substation were replaced with 60-cycle rectifier equipment.

The installation of secondary distribution lines for the supply of 60-cycle power at 120/240 volts and of the associated primary circuits and transformers was substantially completed. Sixty-cycle service can now be provided in all parts of the city and in Leaside for customers moving from 60-cycle areas. The total 60-cycle load on the entire system increased by 85,000 kilowatts to 194,800 kilowatts. On the 120/208-volt low-voltage network the combined 25- and 60-cycle load increased by 15 per cent to 57,500 kilowatts; 62 per cent of this increased combined total was supplied at 60 cycles.

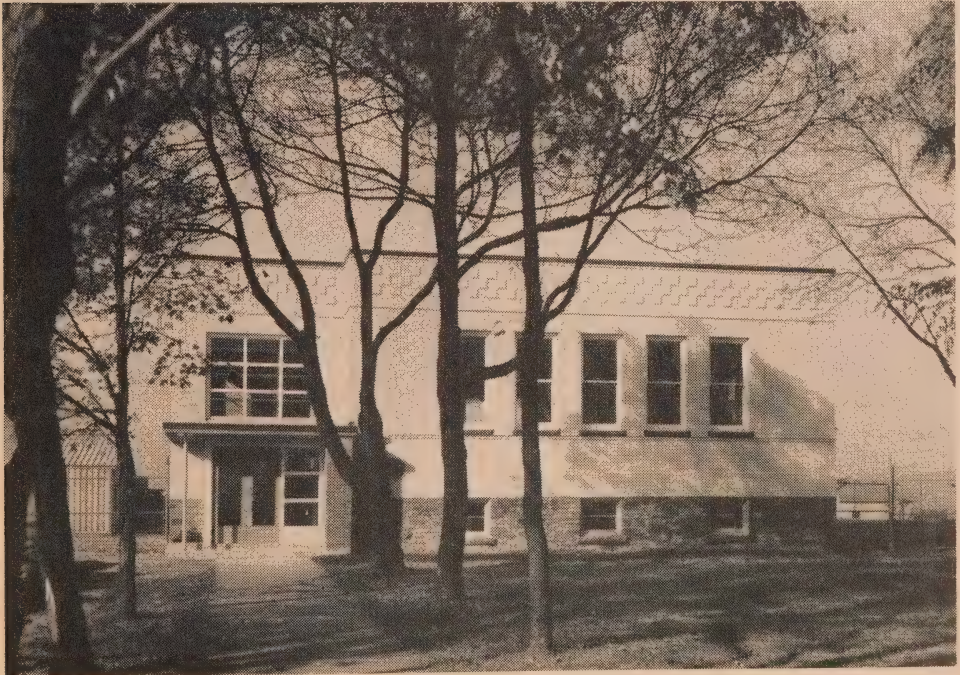
Two 20,000-kva, 4-kv substations, Runnymede and Hammersmith, were completed during the year and construction of two others was begun.

**Toronto Township**—The new 5,000-kva Birchview Municipal Station was placed in operation. The capacity of the customer-owned substation of one of the utility's power service customers was increased from 4,500 to 10,000 kva, and another power service customer was supplied with 27.6-kv power.

#### GEORGIAN BAY REGION

The distribution systems in Rosseau and Windermere were changed from 8-kv to 12-kv operation and supplied from a new distributing station at Ufford. In Collingwood the distribution system was changed from 2,300-volt to 4,000/2,300-volt operation.

**Barrie**—A large power service customer installed a new 1,500-kva substation and began taking power at 44 kv.



WOODBIDGE AREA OFFICE

**Beaverton**—Power was supplied at 44 kv to the recently constructed plant of a new power service customer in the municipality.

**Bradford**—Part of the local commission's distribution system was placed at the disposal of Ontario Hydro to supply power to the pumps set up after Hurricane Hazel to pump flood-water from the Holland Marsh.

**Chatsworth**—The installation of modern street lighting continued. At the end of the year 80 per cent of all the units were modern luminaires.

**Midland**—A building on Fourth Street, formerly used as a fuel-electric station, was renovated to provide modern offices and stores facilities.

**Orillia**—The town of Orillia entered into a cost contract with the Commission for a supply of power to augment its own generating facilities. This contract was effective January 1, 1954.

**Wasaga Beach**—The municipality purchased the local distribution system from Ontario Hydro and entered into a cost contract with the Commission, effective January 1, 1954.



PUMPING OPERATIONS — HOLLAND MARSH

Some of the pumping units rushed from a number of sources to Holland Marsh after the hurricane are seen in operation. By the use of this equipment, the marsh was drained of between six and eight billion gallons of water in 24 days.

### EAST CENTRAL REGION

Five 3,000-kva municipal substations were constructed in the region—two in Kingston, one in Oshawa, one in Peterborough, and one in Whitby. The station in Peterborough was so designed architecturally as to conform with commercial and residential buildings adjoining the site.



**HURRICANE DAMAGE**

In the hurricane which swept the area on October 15, about 7,000 acres of rich farmland in the Holland Marsh north of Toronto were flooded.

**Oshawa**—Construction was begun on a new 3,000-kva municipal station. Three power service customers installed new step-down stations in order to receive power at 44 kv.

**Picton**—The capacity of the municipal station was increased from 2,000 to 4,000 kva.

**Port Hope**—Additional feeder capacity was provided at Municipal Station No. 2. Step-down facilities were constructed by two power service customers to take power at 44 kv.

**Bancroft**—The output of the municipal hydro-electric generating station was increased by 20 per cent after the tailrace was dredged and other improvements were carried out. While the work was being done, Ontario Hydro supplied the whole municipal load.

**Lindsay**—The local Hydro-Electric Commission purchased Lindsay Distributing Station from Ontario Hydro. The station now has a capacity of 3,000 kva.



**FLOODED AREA RECLAIMED**

This picture was taken about a month later than the one above after the flood waters had been pumped out of the area.

### EASTERN REGION

**Brockville**—A new industry was supplied at 44 kv and arrangements were made to increase the capacity of Municipal Station No. 2 by 2,000 kva to accommodate load growth. Construction commenced on a new building to provide office, storeroom, and garage facilities.

**Hawkesbury**—On October 1 the municipality took over the ownership and operation of the local distribution system and began taking power from the Commission under a cost contract.

**Prescott**—A new 3,000-kva municipal station was placed in service during the year.

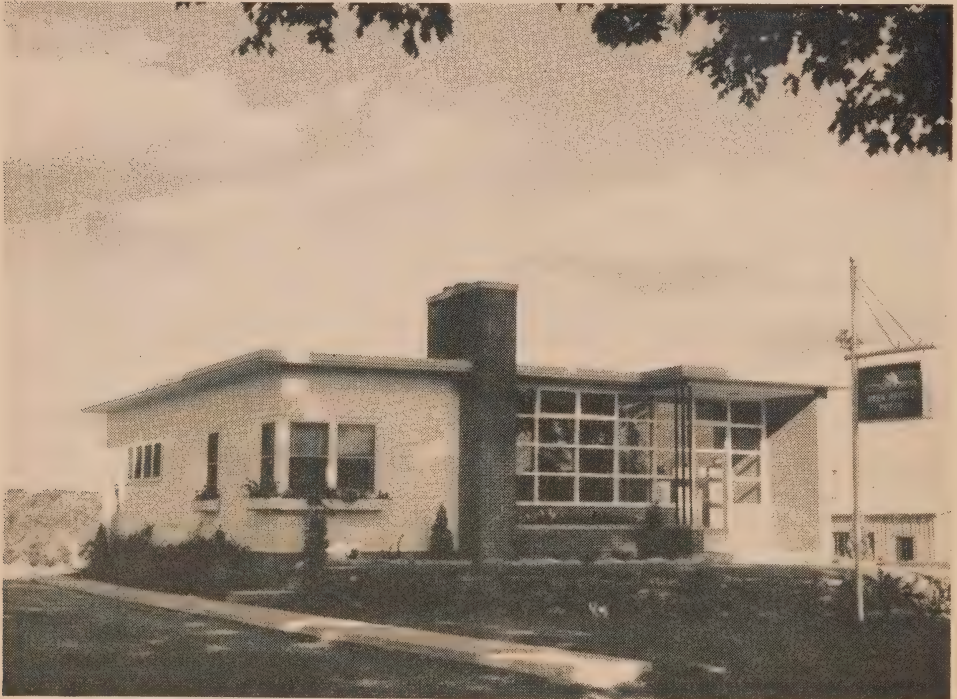
**Rockland**—On April 27, 1954 the municipality assumed ownership of the local distribution system and took power under the cost-contract agreement signed in 1953.

#### NORTHEASTERN REGION

**Blind River**—On November 1 the Commission purchased the distribution system in the municipality from the Blind River Electric Light and Power Service and began to operate it as a Commission-owned local system. Power continued to be purchased from the company's hydro-electric station on the Blind River. This source was supplemented by the construction of 10 miles of 25-kv line from Iron Bridge and of a 2,000-kva, 25—4-kv transformer station.

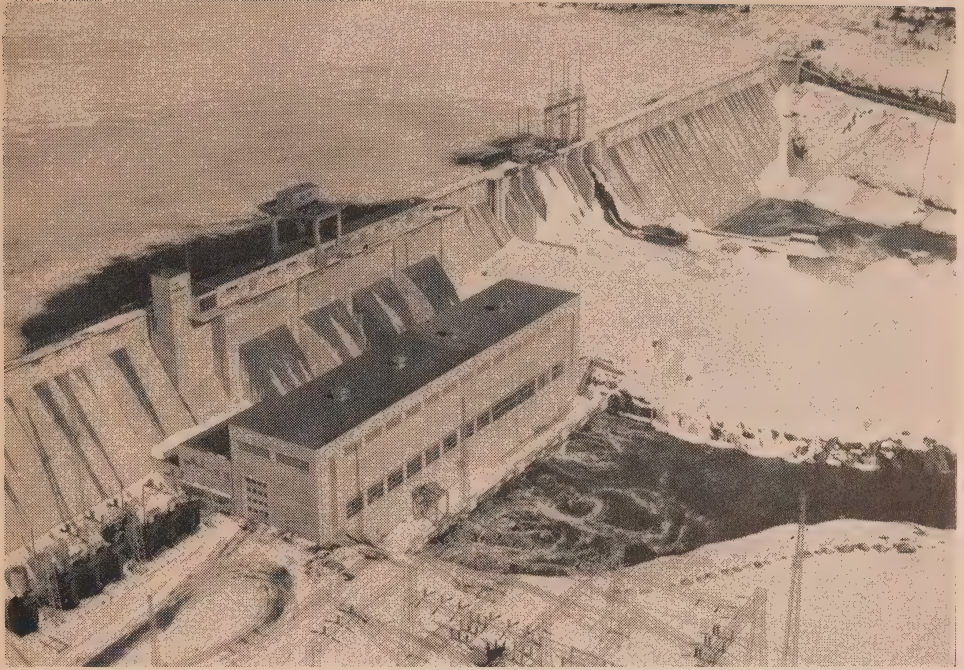
**North Bay**—A directly-buried cable was installed to extend service to a new residential subdivision. This is the first underground distribution installation to serve residential customers in the Region.

**West Ferris Township**—On April 1 the municipality took over the ownership and operation of the local distribution system and began taking power under a fixed-rate contract with the Commission.



PERTH AREA OFFICE

This compact and attractive building is typical of the modern design adopted for area offices.



PINE PORTAGE GENERATING STATION—Winter view of the dam and powerhouse after two additional generating units were installed. This station is now the largest of the Commission's three generating stations on the Nipigon River.

### NORTHWESTERN REGION

**Dryden**—The municipality, which had entered into a cost-contract agreement with the Commission in 1953, took over the ownership and operation of the local distribution system on February 1, 1954.

**Ignace**—In December the Commission began supplying Ignace through the facilities of a Commission-owned local system. This required the construction of a 115—12.5-kv transformer station and 12 miles of 12.5-kv line.

**Nipigon Township**—The distribution system was increased in capacity from 860 to 1,500 kva and the local distribution system was changed from 2,300-volt to 4,160-volt operation to improve service conditions. A new office building was constructed during the year.

### SERVICES TO CUSTOMERS

#### Industrial Surveys

The maintenance of high power factor is important in the efficient and economical operation of the electrical equipment of both the customer and the supplier. As a service to industrial customers served either by the Commission or by the municipal utilities, 67 power-factor surveys were conducted at plants throughout the Province. The purpose of the surveys was to assist customers in avoiding the additional charges levied for low power factor. Recommendations were made for the installation of a total of about 5,500 kva of capacitors. As the large majority of these recommendations were accepted, the utilities serving the customers would also benefit since the power-carrying capacity of their equipment would be increased.

Advice was also given to a number of industrial customers experiencing technical problems in the use of power or its distribution in their plants.

**Lighting Service**

During 1954 the Commission prepared plans and specifications for 292 lighting installations. Of these, 141 were designed to assist the Department of Education in providing adequate illumination for schools. The others were for public buildings, offices or industrial buildings, sports arenas, and for flood lighting or municipal street lighting.

**Electrical Inspection**

The Commission is responsible for establishing minimum standards and enforcing their observation in the installation and maintenance of electric wiring and equipment. In the fulfilment of this responsibility, 335,650 permits were issued during 1954 and 662,004 inspections were made.

## SECTION IV

### FREQUENCY STANDARDIZATION

THE year 1954 marked the completion of more than five years' activity in frequency standardization at 60 cycles in the Commission's Southern Ontario System. Throughout this period it has become increasingly apparent that the complete operation would be unavoidably greater in scope than was originally estimated, first because the number of customers requiring standardization of their equipment was continuously growing, and second because domestic service customers were making use of an ever-increasing number and variety of frequency-sensitive appliances. The resulting increase in volume of work to be done, coupled with increases in the cost of labour and materials, will necessarily be reflected in the total cost of the program. Within the limitations imposed by the availability of 60-cycle facilities the Commission has carried out standardization first in those areas where the heaviest load growth was expected. Only by anticipating such growth could the whole operation be carried out in the most economical way.

To offset an increase in 25-cycle demand due to the rapid expansion of industrial plants, 60-cycle facilities are made available in many municipalities in advance of the normal program, and equipment in plants which are expanding may be standardized by customers themselves under agreements negotiated with the Commission. Year by year an increasing part of all industrial standardization work has been carried out under agreements of this kind by electrical



This aerial lift speeds the standardization of an overhead electric sign in downtown Toronto.



#### FREQUENCY STANDARDIZATION IN TORONTO

Commission vehicles and equipment in front of business premises as changeover operations begin in the area.

contractors of the customers' choice. Material requirements for these operations are generally purchased by the customer or his contractor direct from suppliers. In some instances, however, new and rewound motors have been supplied from the Commission's stores.

Standardization proceedings fall into three general stages. First a complete survey of the customers in the area to be standardized is undertaken to permit planning and the preparation of schedules of the work which is to be carried out day by day; next, an inventory of each customer's equipment is taken, about 18 months prior to the standardization of power service customers, and about 7 months prior to the standardization of domestic and commercial service customers; the third stage is the actual standardization of the customer's equipment. The requirements of material as forecast by equipment inventories are purchased in bulk and stored at the A. W. Manby Service Centre until needed.

#### Progress during 1954

At the beginning of the year, work was proceeding concurrently in three areas—near Windsor, in the vicinity of Kitchener, Waterloo, and Galt, and in certain sections of Metropolitan Toronto. When standardization was finished in the Windsor area, operations were begun in Hamilton, and upon completion of the work scheduled in a section of Metropolitan Toronto, standardization was undertaken in the Burlington, Waterdown, Georgetown, Acton, and Brampton areas. In addition, a number of dealers and contractors were carrying out standardization work on behalf of customers in the Welland, St. Catharines, and Niagara Falls areas. An arrangement entered into with

### PROGRESS OF FREQUENCY STANDARDIZATION BY CLASSES OF SERVICE

Class of service	Services standardized		Customer moves		Frequency-sensitive items standardized	
	During 1954	Total to Dec. 31, 1954	During 1954	Total to Dec. 31, 1954	During 1954	Total to Dec. 31, 1954
Domestic .....	79,708	377,120	21,639	65,583	450,020	1,807,844
Commercial .....	9,137	37,944	352	742	121,129	357,414
Power .....	1,395	6,406	49	203	129,752	461,373
Total standardized, all classes .....	90,240	421,470	22,040	66,528	700,901	2,626,631
Miscellaneous—Clocks, fans, and small items exchanged .....					114,769	391,974

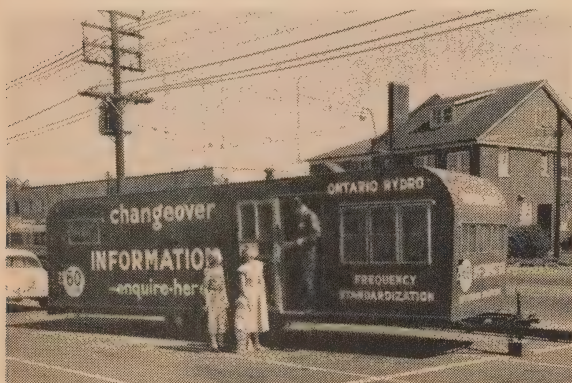
the Toronto Hydro-Electric System enabled 60-cycle customers moving into 25-cycle areas to be given 60-cycle service, and a similar arrangement was made with Brantford Public Utilities Commission. By saving the customer the cost of changing equipment over to 25-cycle operation, the Commission avoids the necessity of changing it back to 60-cycle operation later.

Equipment was also standardized for 22,040 customers who moved from 25-cycle to 60-cycle areas during the year, as shown on the accompanying table. This record of the year's progress in frequency standardization shows the changing over of the equipment of 90,240 services. These two groups together represent 700,901 items of frequency-sensitive equipment standardized, 82,334 more than the number standardized in 1953. In addition, 114,769 miscellaneous small items were exchanged during the year at depots established in areas undergoing standardization.



PROGRESS OF FREQUENCY STANDARDIZATION IN THE SOUTHERN ONTARIO SYSTEM—as at December 31, 1954. The shaded part of the map indicates the extent to which the four regions constituting the former 25-cycle area have been standardized at 60 cycles. In a number of municipalities, designated by a square symbol on the map, power was available at both frequencies.

At December 31, 1954 standardization had been completed for 101 municipal utilities and local systems, while a part of the work had been completed in 24 others, including those municipalities where 60-cycle power had been made available in advance of the scheduled program. Standardization was also completed in 20 rural operating areas and partially completed in 15 others. During 1954 a closely confining circle was drawn around Toronto through standardization operations in the metropolitan area. Standardi-



**FREQUENCY STANDARDIZATION INFORMATION TRAILER**

Mobile information centres are located in areas where frequency standardization operations are in progress.

zation work was completed in the highly industrial areas of Kitchener and Galt. It may be reasonably assumed that load growth in municipalities yet to be standardized will be less spectacular than that experienced in some municipalities already standardized. It will at least be contained within an ever decreasing geographical area where 60-cycle transformation and transmission facilities are available for its supply. In any event, the standardization program is sufficiently flexible

to permit adjustment in accordance with changing conditions. The 60-cycle peak load in the former 25-cycle area of the Southern Ontario System increased during 1954 by 353,000 kilowatts as compared with 322,000 kilowatts in 1953.

Frequency standardization of power facilities in 1954 included a number of generating units and their associated transformation equipment. These units were located at Chats Falls, DeCew Falls, and Richard L. Hearn Generating Stations. Transformer stations at Kitchener, Galt, and Kingsville, and the Toronto-Fairbank Transformer Station were standardized in 1954. The new Pleasant Transformer Station, which was placed in service in August, supplied new 60-cycle loads in Georgetown and facilitated frequency standardization in the Brampton-Georgetown area.

#### **Use of Dual-Frequency Equipment**

The Commission continued to exploit every opportunity to restrict the total cost of standardization by encouraging the manufacture of dual-frequency equipment, by improving techniques and procedures, and by making the maximum possible use of 25-cycle equipment salvaged from customers' premises at the time of standardization. All three methods have already effected, and will continue to effect, a substantial saving in the cost of standardization operations.

During 1954 agreements for the manufacture and sale of dual-frequency equipment were executed with manufacturers of domestic refrigerators, clothes dryers, and television antenna rotors, and with manufacturers of motors for sump pumps, oil-burners, and belted fans. Through such agreements the Commission assumes the extra cost involved in making the equipment dual-frequency. This extra cost, plus the cost of reconnection at the time of

frequency changeover, is still considerably less than the cost of supplying new equipment or of altering 25-cycle equipment for 60-cycle use.

#### **Improved Techniques and Procedures**

In the development of improved techniques, it was established that certain types of refrigerator could be standardized by replacing only the motor compressor and not the entire unit inclusive of condenser and evaporator. During 1954 this method was applied in the standardization of a popular make of refrigerator, of which up to 2,000 are encountered in a year's operation. It is expected that the method will eventually be applied to many other makes of refrigerator.

The most economical use is also made of 25-cycle equipment salvaged from customers' premises at the time of standardization. Some equipment is rewound for 60-cycle operation, if this is economical. During 1954 a total of 64,913 25-cycle motors, both single-phase and 3-phase, were rewound, 37,753 in the Commission's shop at A. W. Manby Service Centre. Further designs and specifications for these operations were developed during the year. On occasion the Commission makes use of 25-cycle motors by making them available on loan to commercial and power service customers who require them either for load growth or for replacement. This procedure is mutually beneficial to the customer and the Commission. The customer, by postponing the purchase of new equipment until the time of standardization, benefits from the economies involved. The Commission is saved the cost of standardizing the additional 25-cycle equipment which would otherwise have been installed.

Equipment such as relays, heating equipment controls, transformers, motor bases, pulleys, and timers is, whenever feasible, salvaged and rewound for 60-cycle use with a consequent saving as compared with the cost of new equipment. Materials which cannot be economically used in the foregoing manner are disposed of as surplus material or as scrap.

The expansion of the facilities at the meter shop at the A. W. Manby Service Centre was carried out in order to achieve an increase in capacity of about 20 per cent in the number of meters of an older type which will be changed over for the municipal utilities for 60-cycle operation. Single-phase watt-hour meters, power meters, special meters, and relays, 58,407 items in all, were changed over in 1954. This was a slight increase over the number changed over in 1953, but a large increase will result from operations which have already begun in Hamilton, and from general operations scheduled to begin in Toronto early in 1955.



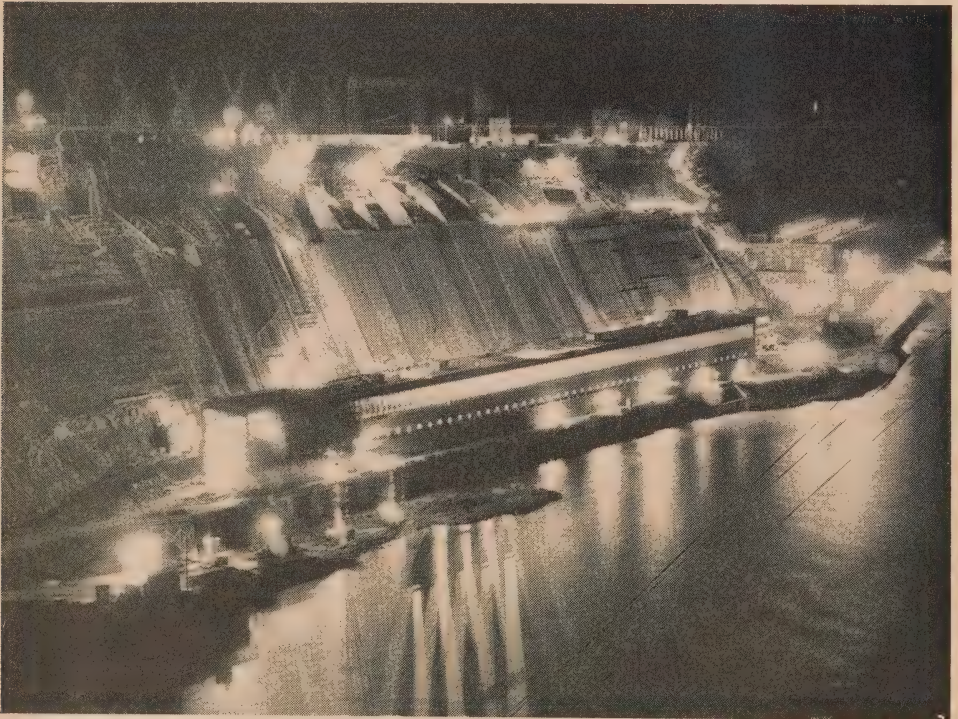
INFORMATION TRAILER INTERIOR

The interior of the trailer provides comfortable office space where the customer may make enquiries of the Commission's Frequency Standardization Division staff.

## SECTION V

### ENGINEERING AND CONSTRUCTION

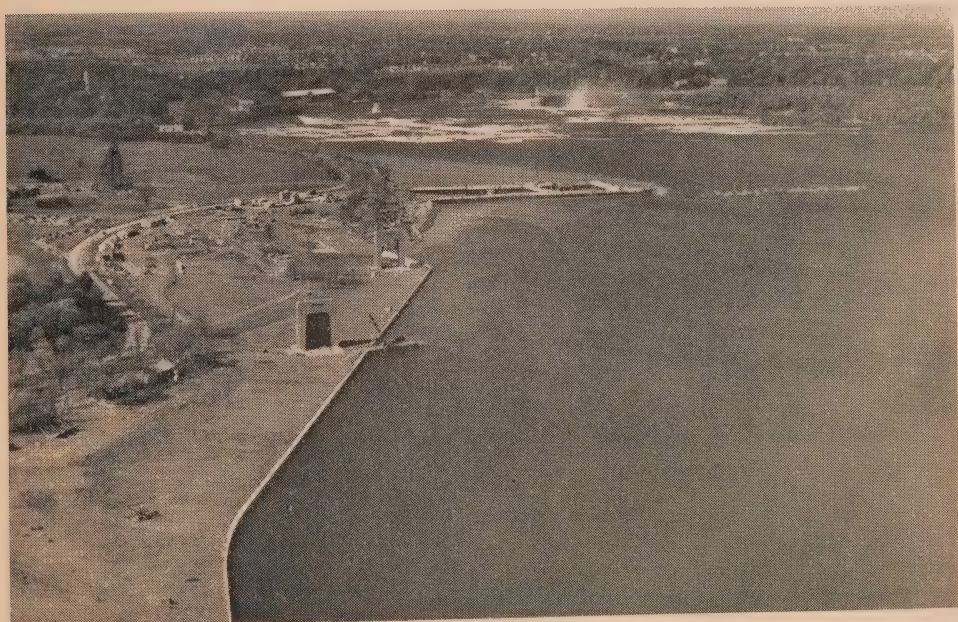
**D**URING 1954 construction of certain of the major features of the power project at Sir Adam Beck-Niagara Generating Station No. 2 was successfully completed and the station was officially opened by Her Royal Highness the Duchess of Kent on August 30. Engineering and construction activity associated with this station, the largest generating station constructed in the history of the Commission, continued throughout the year to be of prime importance among the Commission's construction activities. These included extensions and additions to generating facilities in northwestern Ontario and the initial work at the St. Lawrence Power Project. The frequency standardization of generation and transformation facilities also played an increasingly important part in engineering activity during 1954.



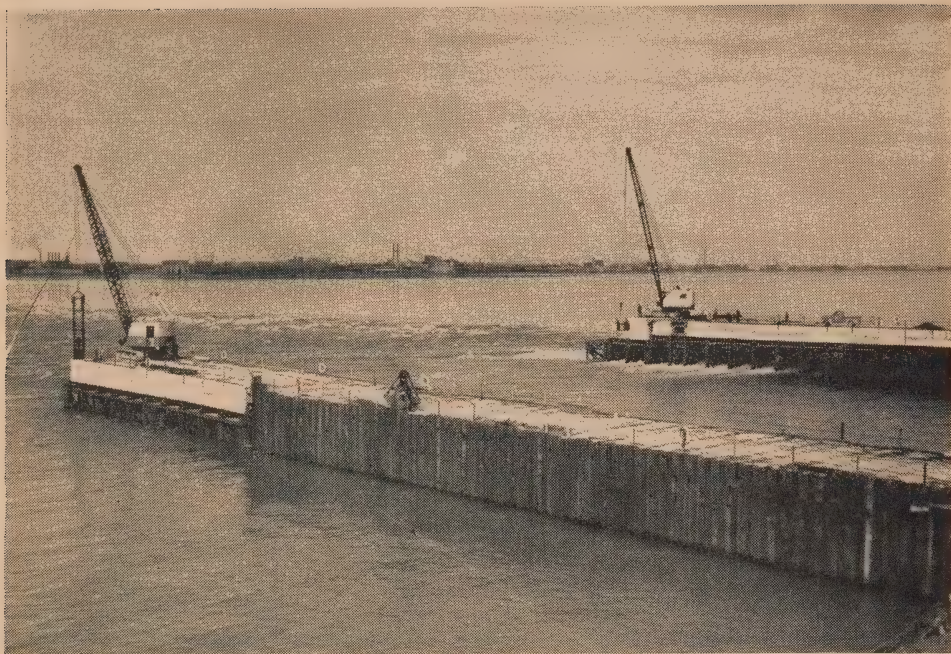
SIR ADAM BECK-NIAGARA GENERATING STATIONS—Two of the Commission's largest hydro-electric generating stations offer a dramatic subject for this night picture at the Niagara development.

The result of four years of intensive construction effort on the Niagara project was realized as each of the first seven units at Sir Adam Beck-Niagara Generating Station No. 2 was successively placed in service between April 26 and December 20. With the completion of the main hydraulic features of the development, other features such as the control structure for the remedial works and the pumped-storage scheme assumed increasing importance. Construction of both these additional features proceeded satisfactorily during the year. The first was undertaken in 1953 as part of the remedial scheme recommended by the International Joint Commission and approved by the Governments of Canada and the United States. It will serve to maintain the Grass Island Pool above the upper rapids at its natural level, and to permit quick changes in the flow of water over the falls. It will thus contribute both to enhancing the beauty of the falls and to making the most effective use of water for power production. In accordance with the Niagara Diversion Treaty of 1950 the cost of the control structure and of other features of the remedial works will be shared equally by Canada and the United States. Canada's obligations with regard to remedial works were delegated to the Province of Ontario and by the Province to Ontario Hydro.

The pumped-storage scheme, which was begun in 1953, will make use of reversible units to pump water from the canal into a reservoir during off-peak periods, and at times of high demand to operate in reverse as turbo-generators with an installed capacity of 170,000 kilowatts as water returns from reservoir to forebay. The water, thus released from storage, will permit fuller use to be made of all generating units in the Sir Adam Beck-Niagara Generating Stations.



SIR ADAM BECK-NIAGARA GENERATING STATION NO. 2—Aerial view of the intake area, showing the two tunnel control-gate structures, the cofferdam for the remedial works control structure, and the falls in the background. The control gate at the left is open.



NIAGARA RIVER REMEDIAL WORKS—Cofferdams being erected to permit construction of the first stage of the remedial control structure in the dry. Six-ton concrete blocks hold steel frames firmly in place against the river-bed. The dam when finished will be 1,550 feet long and will control both distribution and amount of flow.

The installation of two additional units at Pine Portage Generating Station was completed during the year and good progress was made in the construction of a new generating station at Manitou Falls. These important and valuable additions to the Commission's generating facilities were overshadowed to some extent by the magnitude of the St. Lawrence Power Project upon which construction was begun in 1954.

On June 7, the last legal obstacle to the St. Lawrence Power Project was removed. At that time the Supreme Court of the United States rejected a final appeal against the decision of the Federal Power Commission to license the Power Authority of the State of New York to undertake the United States share of the power development. On August 10 ground-breaking ceremonies near Cornwall, Ontario and Massena, New York formally marked the beginning of construction. By the end of the year the small work groups previously engaged in such preliminary work as surveys and studies of soil and river conditions had been expanded into a sizable construction force.

Although the St. Lawrence Power Project is a separate undertaking from the St. Lawrence Seaway, the planning, construction, and operation of both must be carefully co-ordinated. Construction of the seaway is the responsibility of authorities created by the Canadian and United States Governments. The power project is being built by Ontario Hydro and the Power Authority of the State of New York. It is subject to the approval of a Joint Board of Engineers appointed by the Governments of Canada and the United States. This Board is required to approve and co-ordinate all

plans and inspect all work done in the construction of the works. The Commission and the Power Authority will share the cost of constructing the development exclusive of the cost of powerhouse machinery and equipment, which is borne by the respective entities. In general, they will also share in the direction of construction work and each will be primarily responsible for the work on its side of the boundary.

The progress made on engineering and construction developments during 1954 is discussed by systems later in this section of the Report. In this connection a brief report on the year's progress at Sir Adam Beck-Niagara Generating Station No. 2 appears on page 65, and this is supplemented by a comprehensive feature article at the end of this section.

### Planning

Planning during 1954 was directed to changes in power facilities as required by the progress of frequency standardization and to revisions in transformation and transmission facilities made necessary by the development of new power sources and the continuing growth in load. In the solution of problems in high-voltage transmission and in the solution of a variety of other problems associated with the expansion of the Commission's system, the alternating-current network analyzer was widely used.

Among the more important changes planned in present facilities is the rearrangement of equipment at Toronto-Wiltshire Transformer Station, the complete rehabilitation of the station as frequency standardization proceeds, and an increase in the capacity of the station to 120,000 kva. Standardization of the second of two generating units at DeCew Falls Generating



NIAGARA RIVER REMEDIAL WORKS—Cofferdam enclosing first two stages of the control dam structure. Each stage involves the installation of two submersible gates each set in sluiceways between concrete piers. Wooden forms for the piers and wing walls are clearly visible.

**Summary of Ontario Hydro's Power Development Program—1945-1960  
as at December 31, 1954**

System and Development	In service	Dependable peak capacity
<b>SOUTHERN ONTARIO SYSTEM</b>		kw
DeCew Falls (extension)—Niagara Region	Sept. 1947	57,000
Stewartville—Madawaska River	Sept. 1948	63,000
Additional power purchase contract—Polymer Corporation	Nov. 1948	22,000
Emergency fuel-electric units	Jan. 1949—Apr. 1950	20,000
Des Joachims—Ottawa River	July 1950—Feb. 1951	380,000
Chenau—Ottawa River	Nov. 1950—Sept. 1951	120,000
Richard L. Hearn—Toronto	Oct. 1951—June 1953	400,000*
J. Clark Keith—Windsor	Nov. 1951—Oct. 1953	264,000*
Otto Holden—Ottawa River	Jan. 1952—Apr. 1953	210,000
Sir Adam Beck—Niagara No. 2—Niagara River		
(7 units)	Apr. 1954—Dec. 1954	525,000 <sup>†</sup>
(5 units)	1955	375,000 <sup>†</sup>
pumped storage	1956—1957	170,000*
Robert H. Saunders—St. Lawrence—St. Lawrence River		
(16 units)	1958—1960	820,000*
<b>NORTHERN ONTARIO PROPERTIES</b>		
<b>NORTHEASTERN DIVISION</b>		
George W. Rayner—Mississagi River	July 1950	47,000
<b>NORTHWESTERN DIVISION</b>		
Ear Falls (extension)—English River	June 1948	6,000
Aguasabon—Aguasabon River	Oct. 1948	44,000
Pine Portage—Nipigon River	July 1950—Dec. 1954	118,300
Manitou Falls—English River	1956	42,100

\* Installed capacity.

† Installed capacity—Four more main generating units to be added as required.  
Ultimate capacity—1,200,000 kilowatts.

Station is also planned; the generator and step-up transformers will be rebuilt by the manufacturers and are to be available for 60-cycle service in the autumn of 1955. Extensive planning work was involved also in other frequency standardization activities both in relation to other Commission-owned and to municipally-owned facilities in the Western, West Central, Niagara, and Toronto Regions.

Plans were completed in 1954 to augment present interconnections with the Niagara Mohawk Power Corporation by the construction of a 230-kv line across the Niagara River near Queenston. This line, together with other system interconnections, not only provides a means of effecting power interchanges but also permits sharing of reserve capacity to the mutual advantage of the interconnected systems. The interconnections also improve flexibility in the operation of the Commission's system and improve service security to the customers.

Additional facilities were planned for the supply of new mines in northern Ontario. The 115-kv transmission line now under construction from Aguasabon Generating Station to the Manitouwadge area is dealt with later in this section. Shorter lines to supply power for other mines in northern Ontario, particularly those in the Blind River area, will be operated at 44 kv. Some of these lines, however, will be of 115-kv construction to provide for later expansion of mining operations.

The accompanying tables summarize the power development program of the Commission, and record expenditures on various aspects of capital construction during each of the past nine years.

**Expenditures on Capital Construction  
By Fiscal Years 1946-1954**

	Genera- tion	Transfor- mation	Trans- mission	Rural	Other	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1946.....	6,160	4,184	3,980	4,942	320	19,586
1947.....	20,725	9,587	7,892	6,672	961	45,837
1948.....	48,122	12,839	14,369	13,514	1,833	90,677
1949.....	79,472	19,172	22,061	23,827	5,584	150,116
*1950.....	86,637	28,025	30,346	19,521	6,951	171,480
1951.....	94,267	25,143	17,886	22,725	4,597	164,618
1952.....	96,682	22,954	15,629	23,033	4,534	162,831
1953.....	117,311	21,711	15,444	24,402	4,767	183,635
1954.....	76,649	15,360	16,091	20,133	4,585	132,818
Total 1946-54.....	626,025	158,975	143,697	158,769	34,132	1,121,598

\* 14-month fiscal period

Schedules prepared for all projects, in varying detail according to their magnitude and complexity, have been effective in co-ordinating and expediting this construction work and in bringing it to completion as required.

## SOUTHERN ONTARIO SYSTEM

### Progress on Power Developments

SIR ADAM BECK-NIAGARA GENERATING STATION NO. 2—NIAGARA RIVER

*Location* —Near Queenston, six miles down stream from the cataract and adjacent to Sir Adam Beck-Niagara Generating Station No. 1.

*Ultimate Installed Capacity* —1,370,000 kilowatts, 60 cycles (900,000 kilowatts in 12 units in main generating station, 170,000 kilowatts in pumped-storage scheme, 300,000 kilowatts in four additional main generating units to be added as required).

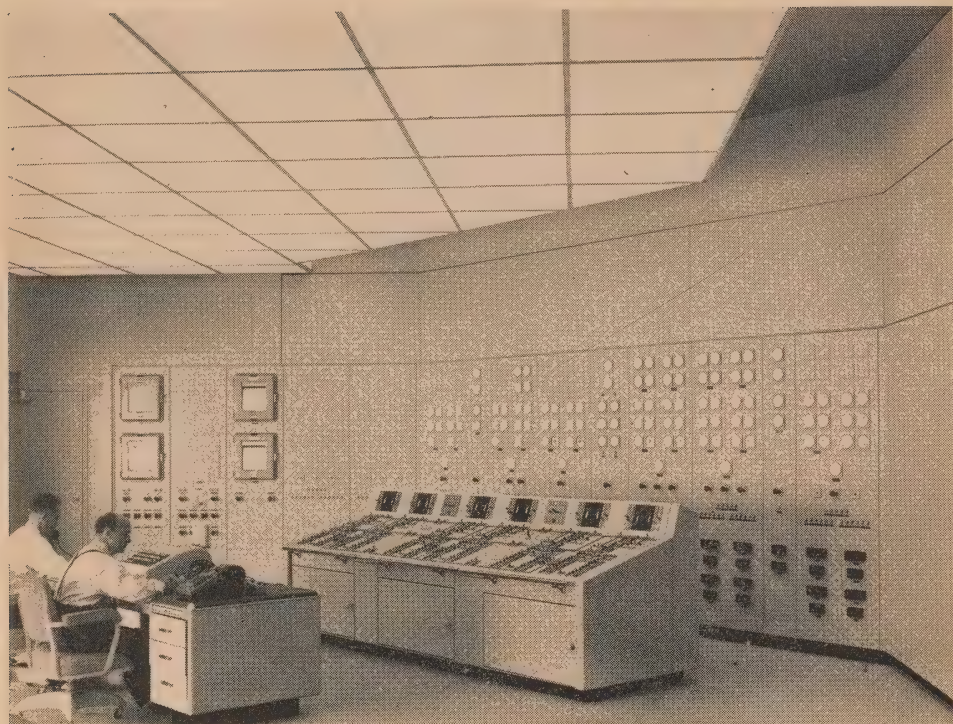
*Rated Head* —292 feet.

*In Service* —Unit No. 1, April 26; Unit No. 2, June 28; Unit No. 3, July 30; Unit No. 4, September 30; Unit No. 5, October 22; Unit No. 6, November 27; Unit No. 7, December 20.

*In-Service Schedule* —Five units in 1955, pumped storage in 1956-1957, and the remaining four units at the main generating station as required.

*Estimated Cost (16 units and pumped storage)* —\$343,700,000, including generation, step-up transformation, and high-voltage switching at the site.

The main features of this project include two intake structures, two hydraulic pressure tunnels, a canal, a main generating station, and a pumped-storage reservoir associated with a pumping-generating station.



SIR ADAM BECK-NIAGARA GENERATING STATION NO. 2—Control panels in this specially designed control-room afford station operators centralized control of all generating units.

Excellent progress was maintained in all phases of construction work. By the end of the year both tunnels were in operation and seven units were in service at the main generating station. Concrete work for this building was virtually complete. At the site of the pumping-generating station three-quarters of the canal excavation was finished and excavation for the powerhouse was begun. More than half of the dyke materials for the reservoir were in place by the end of the year.

The remedial works under construction in the Niagara River consist of excavations on both flanks of the Horseshoe Falls and a control structure about a mile up stream on the Canadian side. The excavation of approximately 24,000 cubic yards of rock on the Goat Island flank of the falls was completed in 1954 by the United States Army Corps of Engineers. Excavation of about 64,000 cubic yards of rock on the Canadian side will be undertaken by Ontario Hydro in 1955. In addition, a rock-faced retaining wall and some fill will be required on each side of the Horseshoe Falls. The control dam, to be built by Ontario Hydro, will consist of reinforced concrete piers and thirteen sluiceways with a service deck spanning the piers. Each sluiceway will be equipped with a submersible gate hinged at the bottom. The whole structure is being built in six stages, each stage being enclosed in turn by a cofferdam. Excavation and concreting for each stage will then be carried out in the dry. During 1954 grouting of the rock for the first two stages was carried out; excavation for the shore wing walls and for the first four sluices was completed. About half of the concrete work for these four sluices was finished.

## ROBERT H. SAUNDERS-ST. LAWRENCE GENERATING STATION—ST. LAWRENCE RIVER

*Location* —The International Section of the St. Lawrence River, near Cornwall.

*Installed Capacity* —820,000 kilowatts in 16 units (Ontario Hydro's share).

*Rated Head* —81 feet.

*In-Service Schedule*—1958-1960.

The main features of this project include two adjoining powerhouses, an integral part of a gravity-type dam structure, two control dams, and dykes to contain the head-pond. The powerhouse structure, bisected by the International Boundary, will span the north channel of the river between Barnhart Island and the Canadian mainland at the downstream end of the island. A dam at the upstream end of the island, the Long Sault dam, will span the south channel of the river and will control the level of the head-pond. A dam located at Iroquois Point will regulate the flow from Lake Ontario. Present plans call for the closure of the Long Sault dam in 1958.

The largest of the main features, the gravity dam incorporating the powerhouses, will be about 3,250 feet in total length and have a maximum



ST. LAWRENCE POWER PROJECT

Sections of corrugated steel pipe, like that at the left, were used to construct the two tunnels shown at the right. These tunnels, with diameters of 16½ and 10 feet respectively, were laid below the level of the bed of the Cornwall canal after the close of navigation. The crossing area was first cofferdammed and dewatered, and then excavated. Gravel and earth backfill will restore the canal floor when the tunnels are completed. They will permit uninterrupted access to the powerhouse site for pedestrians, vehicles, and materials on conveyors without interference to navigation.

height of 160 feet above the foundation. Construction will be carried on concurrently from both shores. So far as the Commission is concerned, the structure of the powerhouse, being of the modified outdoor type, will be novel in design. As in the United States powerhouse, the generating equipment will be protected only by removable housings, and the conventional superstructure will be confined to the erection bay at the shore end. Sixteen units will be installed in the Canadian powerhouse, each propeller turbine having a rated capacity of 75,000 brake horsepower for full gate and rated head.

For the most part, the Commission carried out preparatory construction work during 1954. The construction of two access tunnels under the Cornwall Canal and of a Bailey retractable bridge over it was begun after the close of navigation. They will provide access to the construction site without interference to navigation and will be in use early in 1955. Cofferdams to dewater the powerhouse site were well under way by the end of the year. Good progress was made in the construction of staff houses, administrative offices, and the project hospital. Construction on the main features of the project itself will begin in 1955.

The removal of power and communication lines from areas to be flooded in the vicinity of Cornwall is scheduled for completion in 1956; it will be necessary, however, to remove during 1955 that section of the 115-kv transmission lines of the Cedar Rapids Transmission Company which crosses the International Boundary. The double-circuit line to replace this section will be of 230-kv construction. It will cross the river in a 3,300-foot span supported on steel towers 335 feet in height. An additional double-circuit line will provide a 230-kv link between the Canadian and United States switchyards.



ST. LAWRENCE POWER PROJECT—Upper cofferdam spanning the north channel between Barnhart and Sheek Islands in its early stages of construction

## FUEL-ELECTRIC GENERATING STATIONS

In the mechanical failure of Unit No. 1 and Unit No. 2 at Richard L. Hearn Generating Station in early April there was evidence of something closely resembling brittle fracture probably due to metal fatigue in the retaining rings which support the end turns of the rotor windings. The safety margins allowed in the manufacture of these rings, which were made of a special alloy steel non-magnetic in character, proved insufficient when subjected to stress concentrations resulting from a combination of factors never previously experienced together. Certain design changes in the units were therefore necessary and these changes were made by the manufacturer in Unit No. 3 and Unit No. 4 prior to their being returned to service, the former at the end of August following standardization at 60 cycles, and the latter in mid-September. The rehabilitation of Unit No. 2 is expected to be completed early in 1955. Unit No. 1 will be available later in the year.

The work of dismantling the Ontario Paper and Hamilton Beach emergency fuel-electric stations was carried out during the year. Four of the five steam-turbine generator units, formerly in service at these stations, were sold, and under the Colombo plan were made available to Pakistan.

## Transformer Stations and Transmission Lines

In 1954 extensions and adjustments involving a total expenditure of \$31,450,923 were made to the Commission's network of transmission lines, transformer stations, and switching stations. An additional \$20,133,348 were spent on rural facilities.

### Facilities to Distribute Power at 230 and 115 Kilovolts

Much of the construction work on the 230-kv lines to incorporate the output of Sir Adam Beck-Niagara Generating Station No. 2 into the system had been carried out prior to 1954. The construction of additional lines and the rearrangement of circuits already in service were completed as required by the operation of the station. Four 230-kv circuits carry the output of Sir Adam Beck-Niagara Generating Station No. 2. These include two circuits to Burlington Transformer Station, one to Detweiler Transformer Station, and one to E. V. Buchanan Transformer Station. Power was supplied to Allanburg Transformer Station over two 230-kv circuits from Beaver Dams Junction, one connected with the circuit to Detweiler Transformer Station and the other with one of the circuits to Burlington Transformer Station. Preliminary engineering and surveying were completed for the 230-kv double-circuit transmission line which will provide an interconnection with the Niagara Mohawk Power Corporation across the Niagara River at Sir Adam Beck-Niagara Generating Station No. 2.

To accommodate these additional circuits for transmitting power from Sir Adam Beck-Niagara Generating Station No. 2, 230-kv switching facilities were added at Allanburg, Burlington, Detweiler, and E. V. Buchanan Transformer Stations. Nine of the 115-kv air-blast circuit-breakers being installed at Burlington Transformer Station were in service by the end of the year. At Richview Switching Station, six 230-kv circuit-breakers with rupturing

capacities of ten million kva were placed in service in July. Switching facilities for the six 60-cycle circuits terminating at the station will be supplemented as standardization of the 230-kv network progresses and as the transmission network to deliver power from the Robert H. Saunders-St. Lawrence Generating Station is developed.

Five new 115-kv transformer stations were placed in service during the year. These were Hamilton-Mohawk, Waubaushene, Pleasant, Toronto-Bathurst, and Pembroke Transformer Stations. At Toronto-Basin Transformer Station, under construction at the end of the year, two 20,000-kva transformers were installed. Construction was begun at Toronto-Main Transformer Station and design work was undertaken for a new transformer station to be known as Toronto-Glen Grove.

Work was begun on the construction of a four-circuit 115-kv steel-tower line which will eventually form part of a proposed line connecting Scarborough and Toronto-Leaside Transformer Stations. Two circuits from Lumsden Junction on this line will be installed as directly-buried cable for a distance of nearly a mile to Toronto-Main Transformer Station. This installation and another representing 7,000 circuit feet, also in the Toronto area, are the first such installations at this voltage in the Commission's systems. This type of installation offers substantial saving in cost over underground cable in ducts. The use of underground cable for other circuits in this area is under consideration. Engineering work was undertaken for the installation of about 23,000 circuit feet of 115-kv underground cable in the city of Ottawa.

Among the more extensive additions to the 115-kv transmission network were the double-circuit line, with one circuit strung, from Brockville Transformer Station to Lunenburg Junction some eight miles north of Cornwall, and approximately 15 miles of single-circuit twin-pole line from Summerville Junction to Pleasant Transformer Station near Georgetown.

## NORTHERN ONTARIO PROPERTIES

### Progress on Power Developments

#### PINE PORTAGE GENERATING STATION—NIPIGON RIVER

<i>Location</i>	—About 24 miles north of Nipigon.
<i>Dependable Peak Capacity</i>	—118,300 kilowatts in four units, 60 cycles.
<i>Rated Head</i>	—105 feet.
<i>In Service</i>	—Unit No. 1, July 17, 1950; Unit No. 2, September 15, 1950; Unit No. 3, September 30, 1954; Unit No. 4, December 30, 1954.
<i>Estimated Cost</i>	—\$34,100,000, including generation, step-up transformation, and high-voltage switching at the site.

With the extension to the powerhouse and the installation of the third and fourth units during 1954, the program of construction at this station was completed.



MANITOU FALLS—The powerhouse site and camp from the south. Cofferdams and diversion channel are under construction.

# MANITOU FALLS GENERATING STATION—ENGLISH RIVER

*Location* —Twenty miles down stream from Ear Falls.

*Dependable Peak Capacity* —42,100 kilowatts in three units, 60 cycles.

*Rated Head* —54 feet.

*In-Service Schedule*—1956.

*Estimated Cost* —\$17,000,000, including generation, step-up transformation, and high-voltage switching at the site.

The main features of this development are a main dam, 1,100 feet long, an auxiliary dam, and a powerhouse. The main dam, in addition to earth dykes at the shore ends, includes concrete gravity sections, headworks for four units, two motor gate sluices, and nine stoplog sluices. The three units for which the new station is at present planned are designed to deliver a total of 55,500 brake horsepower at full gate and under a rated head of 54 feet. Consideration is being given to the installation of two additional units at a later date.

Work had been begun on the access road to the site in December 1953. Throughout the following months full advantage was taken of winter conditions to transport equipment and materials over a temporary snow road, and the 115-kv transmission line from Ear Falls Generating Station to the

site was constructed. This line, which will ultimately deliver power from the new station, is now being used to supply 44-kv power for construction purposes. The permanent access road which largely follows the transmission line route was completed and in use by October 1954.

Following the diversion of the river and the construction of cofferdams, the area of the powerhouse was dewatered preparatory to the commencement of powerhouse construction.

### **Transformer Stations and Transmission Lines**

At Mattawan Transformer Station, which is adjacent to Otto Holden Generating Station, a second 60,000-kva autotransformer bank was installed in association with the 56 miles of newly completed 115-kv transmission line from this station to Crystal Falls Generating Station.

Good progress was made on the construction of the new Port Arthur-Birch Transformer Station, and the 9.5 miles of double-circuit, 115-kv, steel-tower line linking it with Port Arthur Transformer Station No. 1 were virtually completed during the year. The single-circuit 115-kv steel-tower line from Port Arthur-Birch Transformer Station to Moose Lake Transformer Station is 120 miles in length and passes through rough terrain offering particularly difficult construction problems. It was 90 per cent completed by the end of the year. Work was also begun on the 115-kv twin-pole line, 75 miles in length, between Aguasabon Generating Station and Geco Mines Limited in the Manitouwadge area, and on the 25-mile line of similar construction to serve Algom Mines Limited in the Blind River area.



MANITOU FALLS—View of the powerhouse site showing a temporary access bridge and part of the upper cofferdam. A diversion channel, right, is being excavated to permit construction of the dam and powerhouse.



MANITOU FALLS—Bailey bridge over the English River at Manitou Chute forms part of the 13-mile access road to Manitou Falls.

## MISCELLANEOUS CONSTRUCTION

### Administration and Office Buildings

The Commission's new engineering building located on Murray Street, in Toronto, immediately behind the Head Office building was substantially completed by the middle of the year and was opened for occupancy on July 2. Its five floors and basement provide 88,000 square feet of office space to relieve overcrowded conditions in the main Head Office building and to permit the consolidation of engineering groups formerly distributed in rented accommodation throughout the city.

Further building construction activity included the commencement of two new regional offices, the completion of two area office buildings, and of six area service buildings. In association with various interested departments of the Provincial Government, representatives of the Engineering Branch have made significant contributions to the study, and towards the solution, of problems in the planning, relocation, and rehabilitation of municipalities as required by the St. Lawrence Power Project.

### SIR ADAM BECK-NIAGARA GENERATING STATION NO. 2

The further development of the power potential of the Niagara River represented by the great Sir Adam Beck-Niagara Generating Station No. 2 was made possible by the negotiation of the Niagara Diversion Treaty of 1950 by Canada and the United States. Under the arrangements previously in force, only a stipulated quantity of water was made available for power production. This quantity, shared by Canada and the United States, had

## SIR ADAM BECK-NIAGARA GENERATING STATION NO. 2—STAGES OF CONSTRUCTION



August 1951—Early stages of construction at the powerhouse site showing penstock tunnel excavation and cliff scaling.

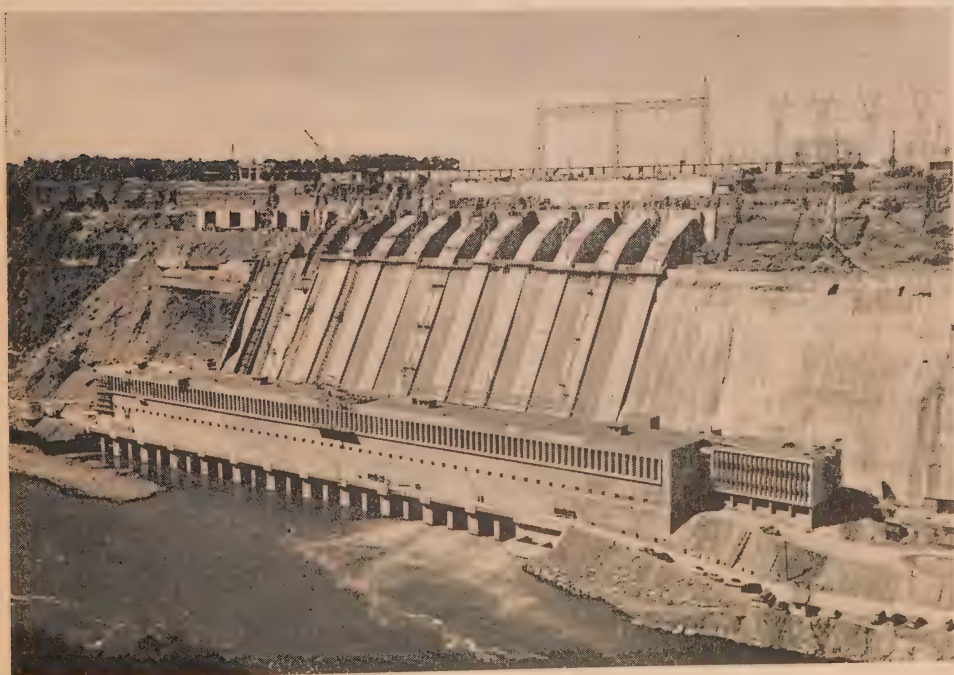


August 1952—Part of the powerhouse foundations were laid and excavation for eight penstocks was virtually completed. At the same time a new forebay, canal, intake structures, and tunnels were under construction.

SIR ADAM BECK-NIAGARA GENERATING STATION NO. 2—STAGES OF CONSTRUCTION



August 1953—Four penstocks were in place. Turbine equipment for the first generating unit was installed. Two months earlier construction activity reached its peak as over 7,600 men were employed on the project.



August 1954—At the time of the official opening of the new station, three generating units were in service.

been insufficient to justify the installation of any further power facilities on the river after the completion in 1930 of the Commission's Queenston-Chippawa development, later known as Sir Adam Beck-Niagara Generating Station No. 1. Under the stress of war, certain additional diversions of water were made available and these enabled the Commission's facilities to generate the maximum amount of power of which they were capable. The effect of the remedial weir constructed in the Chippawa-Grass Island Pool in 1943 demonstrated that it was possible to maintain scenic values of the rapids and the cataracts in conjunction with this increased power production. The new treaty and the remedial works recommended under its terms provided for the safeguarding of the scenic beauty of the falls by establishing the minimum rate of flow over the cataract at certain periods of the day and year. For the greater part of the time this permits the use of larger quantities of water for power production. It was therefore possible for the Commission to undertake in 1950 the construction of Sir Adam Beck-Niagara Generating Station No. 2 as a development complementary to Sir Adam Beck-Niagara Generating Station No. 1.

Basically the latter had been designed to make the greatest possible economic use of the total fall of the river. In this respect it was far in advance of any previous development on the Niagara River with the single exception in the immediate area of the Commission's DeCew Falls Generating Station near St. Catharines. The Sir Adam Beck-Niagara Generating Station No. 2 is in this and other respects similar to Sir Adam Beck-Niagara Generating Station No. 1.

The general scheme of the new station and its relationship to the surrounding area is shown on the accompanying plan. Two intakes on the shore of the Niagara River about a quarter of a mile down stream from Chippawa admit water to twin tunnels about  $5\frac{1}{2}$  miles long. A canal  $2\frac{1}{4}$  miles in length leads from the tunnel exit portals, crosses the power canal associated with Sir Adam Beck-Niagara Generating Station No. 1, and terminates at the interconnecting forebays of the two generating stations. The Sir Adam Beck-Niagara Generating Station No. 2 itself includes a screen-house containing the headgates for sixteen generating units, and twelve penstocks leading to the powerhouse located in the river gorge a few hundred feet up stream from Sir Adam Beck-Niagara Generating Station No. 1.

In order to make the most effective use of the water available, a pumped-storage scheme, now under construction, was made part of the whole development. The pumping-generating station associated with this scheme will be located near the forebay. It will contain six reversible units operating alternately as pumps or turbines as required.

#### **The Intakes**

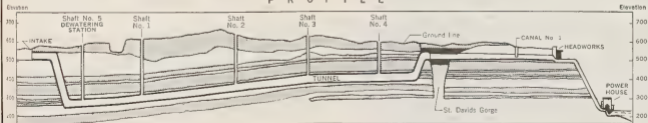
The two 500-foot intakes, one supplying each of the tunnels, are located on the shore of the river and parallel to it about a quarter of a mile down stream from the intake for Sir Adam Beck-Niagara Generating Station No. 1. They are of the Johnson-Wahlman type; each is a reinforced concrete tube, basically 20 feet square in internal dimension at the upstream end, flaring out over the entire length to reach the ultimate dimensions of 45 feet by 45 feet. The slots through which water enters the tubes have a maximum height

# SIR ADAM BECK-NIAGARA GENERATING STATION No. 2

## GENERAL PLAN



## PROFILE





at the upstream end; this decreases progressively towards the downstream end, for one intake from 13.33 feet to 7.5 feet and for the other from 17 feet to 6.1 feet. Each of the piers between the slots has its axis inclined to the face of the intake at an angle sufficient to guide the water into the tube with the least possible shock loss. The angle of inclination and the dimensions of the slots themselves were designed so that the draft per foot of length in the intake is nearly constant. The top of the slots at their highest is 6 to 8 feet below minimum water-level in the river to prevent the entrance of ice or other floating material. The river-bed was excavated to a maximum depth of 15 feet in front of the intakes and this excavation was extended on a rising grade for about 500 feet. As a result, the flow in the area exceeds by about 50 per cent the amount of water to be diverted.

Models of the river and of the intakes were used extensively in the design of hydraulic features. The model at A. W. Manby Service Centre was used to investigate problems related to location and general dimensions, to river-bed excavation, and to the exclusion of ice from the tubes. The detailed design of the tubes, including slots and angles of the piers, was based on investigations carried out by means of a larger model in the hydraulic laboratories of the University of Toronto. The latter model was used to measure the direction of flow and the magnitude of velocities, and also for the measurement of hydraulic losses. It is interesting to note that the intakes effectively excluded ice from water flowing to the tunnels during the particularly adverse ice conditions that developed during the first winter of operations.

### The Tunnels

The two hydraulic tunnels devised to convey water from the intakes may be considered as adaptations of an original scheme which conceived of the Queenston-Chippawa power development as the first of three similar developments, each supplied by one of three parallel and similar canals. With the passage of time, however, the growth of municipalities in the area and in particular the extension of industrial and housing developments westward from the river made adherence to the original plan a good deal less practicable than it had appeared at the time of constructing Sir Adam Beck-Niagara Generating Station No. 1. The alternative of tunnelling had certain obvious advantages, first over the apparently less expensive scheme of widening the existing canal, and second over any scheme of new canal construction. Canal widening could be accomplished, for example, only by the quite unacceptable plan of closing down Sir Adam Beck-Niagara Generating Station No. 1 for certain periods of construction work. The construction of the tunnels would provide the same flow as would be made available by canal widening at a cost not appreciably greater than that of providing a new canal of comparable size. They offered certain advantages also in operation. In the first place, head losses are not increased in the tunnels, as they would be in an open canal, by a fall in river-level. Secondly, the tunnels will have an advantage in lower maintenance cost; for example, they will be free of fallen rock and other debris which have adversely affected the capacity of the canal supplying Sir Adam Beck-Niagara Generating Station No. 1. Furthermore, although they provide a most direct route between intake and forebay, it was possible to construct them with a minimum of disturbance to the adjacent communities.

The tubes leading from the intake to the tunnels are deflected shoreward through an angle of about 30 degrees between a point immediately downstream from the intake proper and the steel control gates. These gates, one for each tunnel, are 58 feet in height by 45 feet clear width and serve to close off the tunnels if necessary. Beyond the gates the tubes change in section from square to circular, and covered conduits 370 feet long and 45 feet in internal diameter lead to the tunnels proper which are of the same diameter. Immediately beyond this point the tunnels slope downward at an angle of 30 degrees until they are about 300 feet below the surface of the ground and 280 feet below the surface of water in the river. They continue to slope downward slightly until they reach maximum depth of 330 feet at access shaft No. 5 and thereafter rise gradually for nearly 5 miles to the point where they rise sharply to the exit portals.

At this point, to continue the tunnels would have been hazardous and expensive since they would pass through glacial debris in the St. Davids Gorge, which in prehistoric times had formed the course of the river. The remaining  $2\frac{1}{4}$  miles to the forebay lay in relatively open country and here the depth of excavation required for a canal was substantially less than would have been required in the upstream section. The advantages of tunnels over the canal already cited were, therefore, not sufficient to justify tunnelling in this area.

The vertical location of the tunnels was determined by the conformation of the rock strata. The subsurface geology was thoroughly explored throughout the entire length of the tunnels. The rock strata are quite conformable and dip slightly towards the south. The tunnel horizon which was selected



SIR ADAM BECK-NIAGARA GENERATING STATION NO. 2—A section of one of the tunnels, with concrete arch and invert laid. At the end of 1954 both tunnels were in service.

avoided the problems associated with porous, water- and gas-bearing Lockport dolomites. It was located below the dense, impervious Rochester shale which is from 50 to 60 feet thick. The competent Irondequoit limestone immediately below the Rochester shale forms the tunnel roof.

Excavation for both tunnels, which are about 250 feet apart, was carried out from five shafts located between them. Cross-cuts from the shafts were made to both tunnels and headings were driven each way from one cross-cut until they joined the heading from the next. Bench excavation and lining followed. Since the excavations were approximately 51 feet in diameter and the tunnels have a circular cross-section with a finished diameter of 45 feet, the tunnel lining is about 3 feet in thickness. As the excavation progressed, steel arches were installed at 4-foot intervals to support the rock and steel lagging. The steel lagging used in this installation was removed before concrete was poured in the arch.

Concrete for the lining was supplied from two central mixing plants and was spouted from the ground surface through ten-inch holes to each tunnel section as required. The concrete for the tunnel lining was placed first in the invert, or bottom section, representing 60 degrees of the circumference. Concrete for the sides and arch was then poured behind steel forms in sections from 50 to 90 feet in length. Each section of the forms was left in place about twelve hours until the concrete had gained sufficient strength to be self-supporting; the section was then moved forward in readiness for the next pour. In order to avoid roughness at the junction of successive sections, an effort was made to maintain the most exact alignment of the forms. Any roughness that did occur was carefully smoothed out to achieve good hydraulic conditions.

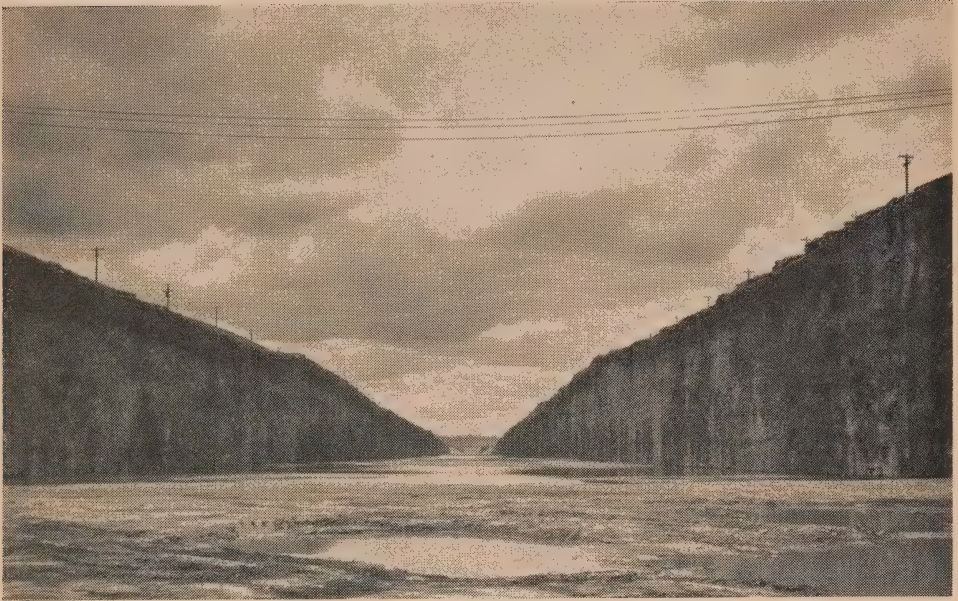
The construction of the tunnels required the excavation of four and a half million cubic yards of rock and the placing of over a million cubic yards of concrete.

#### **Tunnel Dewatering Station**

The completed tunnels, from intake to outlet portals, are inverted siphons reaching their lowest level at a point near access shaft No. 5. At this shaft a dewatering station has been constructed in the cross-cut between the tunnels to drain them for the purpose of inspection or repairs. Eight submersible-type four-stage pumps are installed in the station, each unit being  $22\frac{1}{2}$  feet high and 18 inches in diameter. They are directly connected with 450-horsepower, totally enclosed, oil-filled submersible motors supplied by marine-type cables from controls at ground level. The pumps thus can operate even if the whole dewatering station should be flooded. Each will have a rated capacity of 4,000 U.S. gallons per minute at peak efficiency and 340-foot head. They will draw water from a header connected with both tunnels, and will be capable of draining either tunnel in less than seven days.

#### **The Canal**

At a point about  $2\frac{1}{4}$  miles from the forebay, the tunnels return to the surface, rising at an angle of 30 degrees to the horizontal to adjoining outlet portals. The water emerges into the canal which, as it crosses the old St. Davids Gorge, is trapezoidal in section for 2,200 feet. The base of the trapezoidal section has a width of 94 feet, and the sides slope up at a rate of one foot in two. The whole section was paved with crushed rock on which a heavy



SIR ADAM BECK-NIAGARA GENERATING STATION NO. 2—View west along the new canal toward the tunnel exit portals

concrete lining was placed extending to elevation 550, or several feet above the normal operating water-level. A transition section brings the canal into the rectangular rock-cut that extends to the forebay. The latter part of the canal is unlined and for the most part 200 feet in width. Its close-drilled sides were made as smooth as possible to obtain good hydraulic conditions; the drilling and blasting procedure developed by the Commission's Construction Division proved eminently satisfactory in this respect.

Reference to the general plan at page 77 will show that it was necessary for the new canal to cross the old. The scheme selected from a variety of schemes to effect this crossing is an interesting feature of the project.

Details of the design were worked out and tested in a scale model of the two canals. Water in the old canal flows at about 14 feet per second as compared with 7 feet per second in the new canal. In order to reduce the speed in the old canal and bring the two streams together at about the same velocity, the old canal was flared out as it approached the cross-over. The centre line of the new canal, after the cross-over, was offset 45 feet from its upstream alignment so that the flow from the old canal is diverted into it. Part of the flow from the new canal is carried by the old canal below the cross-over and part by the new. The greater flow in the new canal below the cross-over is accommodated by widening the canal to 225 feet and progressively increasing the width to 280 feet over the next 1,900 feet of its length. At full flow the water moves at 8 feet per second and is about 28 feet deep. As the canal emerges into the forebay, further widening takes place and the velocity is gradually reduced until at the headworks it is about 3 feet per second.

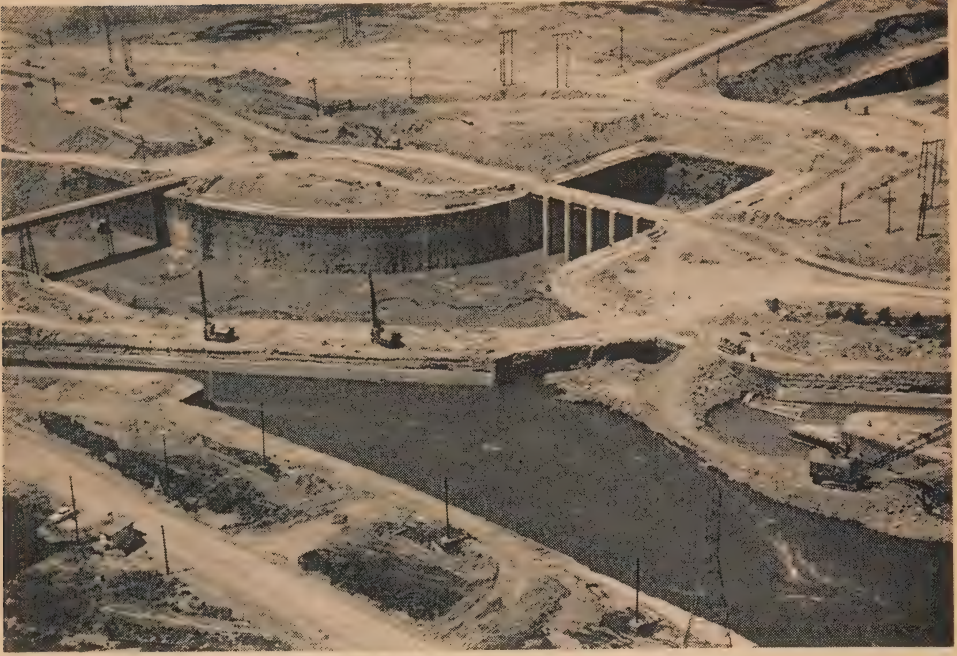
## Forebay and Headworks

Just short of the headworks, an interconnecting canal 100 feet in width and 700 feet in length links the forebay with that of Sir Adam Beck-Niagara Generating Station No. 1 immediately to the north. When all other work on the new forebay was completed, the final rock-plug in this channel was blasted out. In order to protect structures from the effect of shock waves transmitted through the forebay of Sir Adam Beck-Niagara Generating Station No. 1, which was of course in operation, air bubbles were sent up from compressed-air piping on the bed of the forebay to form an effective compressed-air curtain. This reduced the intensity of the shock waves to a safe value.

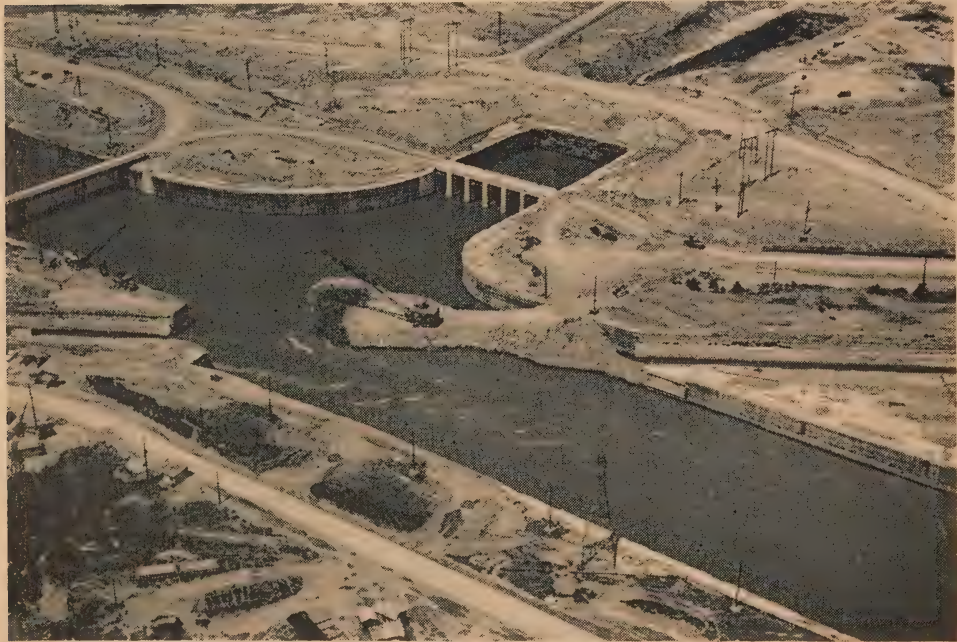
The headworks structure is 875 feet long and is equipped with racks of conventional design and with motor-operated steel gates, two for each penstock. In an emergency, the gates can be closed by remote control from the powerhouse. The headgates and the emergency gates, for which checks are provided in the headworks, are the only controls for the penstocks since no valves are installed at the lower ends of the penstocks as in Sir Adam Beck-Niagara Generating Station No. 1. The superstructure for the headworks is limited to that necessary to house the operating machinery for the gates. The equipment includes a 25-ton travelling gantry-crane.



CANAL CROSS-OVER AT SIR ADAM BECK-NIAGARA GENERATING STATION NO. 2—The old canal and the new canal, both conveying water to the Sir Adam Beck-Niagara Generating Stations, cross at this point. The larger new canal is offset slightly to adjust the direction and speed of flow. The bridge over the sluiceways, left centre, marks the inlet to the pumping-generating station now under construction.



CANAL CROSS-OVER AT SIR ADAM BECK-NIAGARA GENERATING STATION NO. 2—Drilling rigs prepare the upstream plug for demolition to allow water to flood back to the tunnel exit portals.



SIR ADAM BECK-NIAGARA GENERATING STATION NO. 2—REMOVAL OF UPSTREAM ROCK PLUG—New canal and pumped-storage reservoir inlet are filled as the upstream plug is removed.

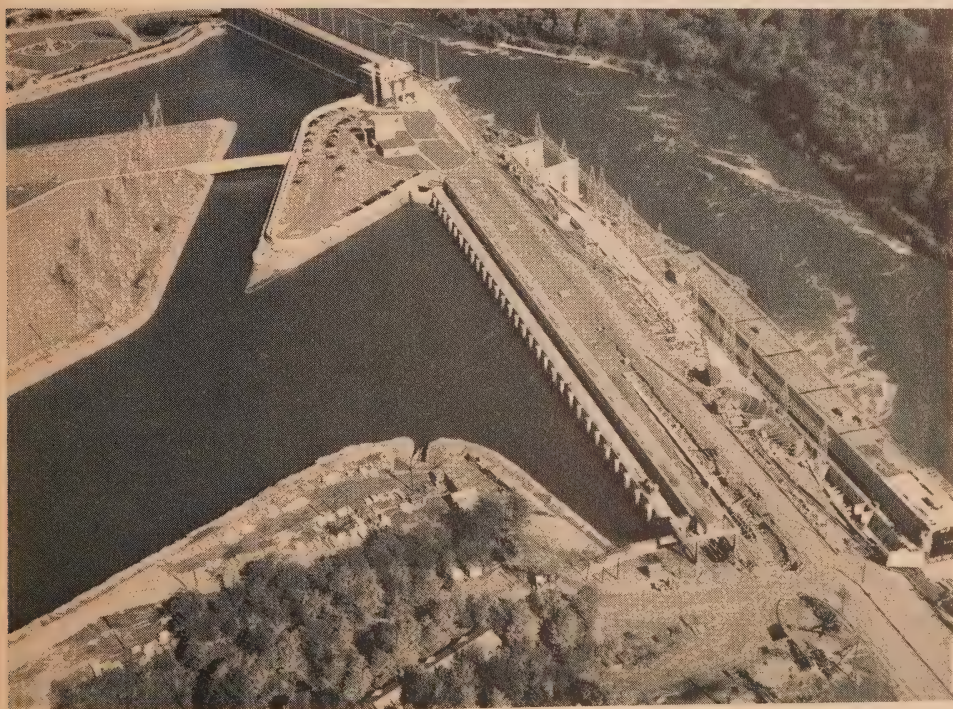
The installation at present programmed includes twelve penstocks, but provision has been made in the headworks for four more when they may be required for the four additional main generating units. The penstocks, 500 feet in length and 19 feet in diameter, are of welded construction with plate thickness varying from five-eighths of an inch at the top to one inch and a half at the lower end. Each is encased in a concrete envelope for its entire length.

#### **The Powerhouse**

On the riverbank at the base of the escarpment and a few hundred feet up stream from Sir Adam Beck-Niagara Generating Station No. 1 is the impressive powerhouse. It is 930 feet long, 63 feet wide, and 50 feet high and of rigid frame construction with walls and roof of reinforced concrete. Its length will be extended to 1,151 feet when the four additional units are installed.

#### **Generating Station Equipment**

The twelve turbines were built by the Dominion Engineering Company Limited. Each turbine has a rated capacity of 105,000 brake horsepower under a head of 292 feet and rotates at a speed of 150 rpm. They are spaced 55 feet from centre to centre and are directly connected to vertical-shaft generators. Six of the twelve 3-phase, 60-cycle, 13.8-kv generators were built



SIR ADAM BECK-NIAGARA GENERATING STATIONS—The forebays of Sir Adam Beck-Niagara Generating Stations No. 1 and No. 2 are connected by a short canal. The bridge leads to the switchyard at left centre.

by The Canadian General Electric Company and six by Canadian Westinghouse Company. The generators have an individual rated capacity of 80,500 kva at 0.95 power factor. Each is totally enclosed and water cooled; each has non-continuous amortisseur windings and is equipped with directly connected exciters and with static voltage-regulators. The units manufactured by The Canadian General Electric Company are of the conventional type with thrust bearings above the generator, and those manufactured by Canadian

Westinghouse Company are of the umbrella type with thrust bearings below the rotor.

#### **Power into the System**

The transformers are on a deck behind the powerhouse. One bank of three single-phase, 62,000-kva transformers is provided for each pair of generating units, the output of which is carried to the transformers through a 5,000-ampere air-blast circuit-breaker and a copper metal-clad bus. The circuits from the transformers operate at 230 kv. They are carried on steel towers and girders mounted on the penstock envelopes to the top of the escarpment, and from there across to the switchyard on the island between the two forebays.

#### **Pumped-Storage Development**

The pumped-storage scheme enables the Commission to make more effective use than could otherwise be made of the water that is available for power



**SIR ADAM BECK-NIAGARA GENERATING STATION NO. 2**

The rock plug separating the forebays of the two Sir Adam Beck-Niagara Generating Stations was blasted with six tons of dynamite to permit water to fill the new forebay. An air-bubble curtain seen in the foreground reduced the impact of the shock on the headworks of Sir

Adam Beck-Niagara Generating Station No. 1.

production under the Niagara Diversion Treaty of 1950. It offers a method for translating what would be surplus energy at times of low demand into primary energy at times of high demand.

The intake for the pumping-generating station leads off the new canal a short distance before the canal cross-over. At the station, six mixed-flow variable-pitch reversible pump-turbines will be installed. They will be driven by 55,000-horsepower synchronous motors and, at maximum efficiency, will have a rated discharge capacity of 4,590 cubic feet per second at a pumping



SIR ADAM BECK-NIAGARA GENERATING STATION NO. 2

Left: Runway at the rear of the powerhouse giving access to the banks of power transformers  
Right: Operating floor of the powerhouse showing exciters of the generating units

head of 75 feet. The six pumps will be capable, in a period of about eight hours, of filling the reservoir which is some 700 acres in extent and has a total usable capacity of about 16,000 acre-feet. The roughly elliptical reservoir, formed by rock and earth-fill dykes, has a short axis of about half a mile. For the nearly two miles of its long axis it is roughly parallel to the new canal. The level of the water in the reservoir will vary between elevation 600 and elevation 625.

As water is returned to the canal, the reversible pump-turbine units will act as generating units, each having a capacity of 47,000 horsepower at the maximum turbine discharge of 5,600 cubic feet per second, and under full reservoir head of 85 feet. The flow from the reservoir will augment the flow direct from the river and thus increase the output of the units in the main generating station.

The pumping-generating station has no superstructure, the generator units being covered at deck level by split hatch-covers which move on horizontal rails. The equipment is serviced by a housed-in gantry-crane. An erection bay at one end is also protected by split hatch-covers at deck level.

#### **In-Service Schedule**

The output of the seven units already in service in the main generating station at the end of 1954 will be progressively supplemented by the placing in service of five other units during 1955. The pumped-storage scheme is scheduled for initial service in 1956. Four more units will be added in the main generating station at a later date as required.

## SECTION VI

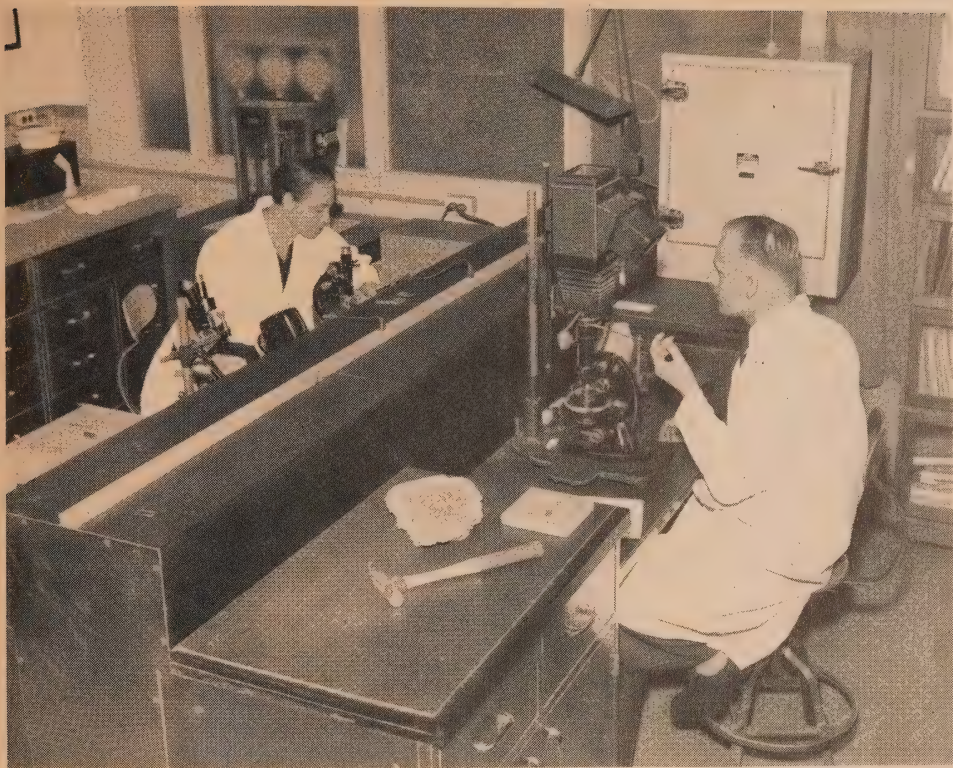
### RESEARCH AND TESTING ACTIVITIES

**W**IDELY varied research and testing activities were conducted during 1954 in all phases of system engineering, operation, and maintenance. Investigations and studies were carried on to aid construction and design, to improve and develop equipment, and to solve new technical problems. Some of these undertakings are discussed briefly in this section under the



SOIL INVESTIGATIONS

Equipment in the background is being used to determine the tri-axial shear strength of soils.



#### AGGREGATE STUDIES

Detailed studies are made in the Commission's petrographic laboratory of the composition and structure of foundation rock, concrete, and concrete aggregates. A large part of this work was related to the St. Lawrence Power Project.

headings "Aids to Construction and Design," "Aids to Operation," "Evaluation of Products and Materials," "New Equipment and Methods," and "Miscellaneous Work."

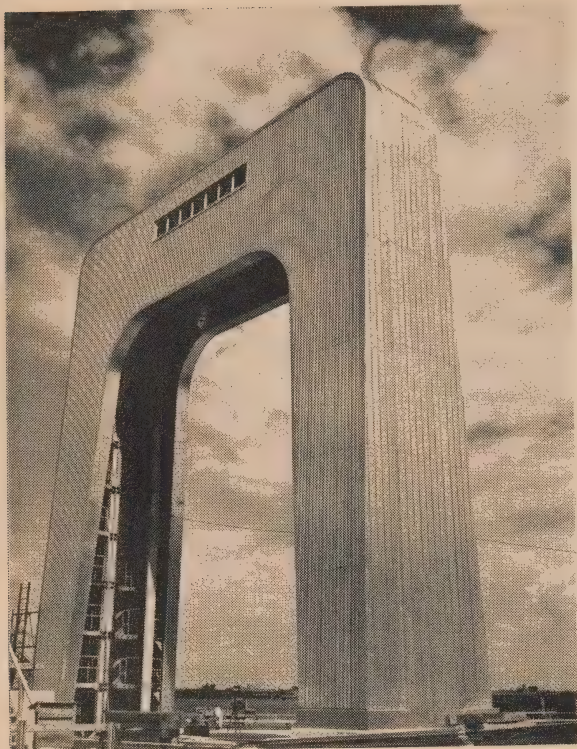
#### AIDS TO CONSTRUCTION AND DESIGN

##### **St. Lawrence Power Project Studies**

Problems pertaining to the St. Lawrence Power Project were of predominant importance during the year.

A well-equipped soil-testing laboratory was established in the field to meet the need for accurate data on soils, thus providing a basis for design and ensuring adequate placing control during construction, particularly of the dykes. The principal investigations were concerned with the properties of compacted glacial till, and with the load capacity and impermeability of foundations.

A major problem for the Project was the location of a suitable source of aggregate for the concrete required since known deposits in the immediate area were considered unsuitable. Surveys undertaken previously were continued in conjunction with other interested agencies; aerial photographs, geologic information, and underwater sampling were used in the search. A



SIR ADAM BECK-NIAGARA GENERATING STATION NO. 2

Control structure for one of the two electrically-operated tunnel gates, showing the gate in closed position. The gates, each 58 feet high and 200 tons in weight, close the openings between the gathering tubes and the tunnels.

valant to the use of manufactured sand were included in technical specifications prepared for the supply of aggregate.

For the main cofferdam at the Project, interlocking sheet piling is used both to form a row of cylindrical cells and to link the cells together. This retaining shell is then filled with free-draining material. A program was undertaken for the measurement of tensile stresses and internal pressures in the cells. Special gauges developed for this purpose were installed at appropriate locations, and others will be added as construction proceeds.

#### Other Aids to Design

Stress analysis techniques were used to obtain information needed for a variety of purposes. Models were used to provide an estimate of forces acting on the tunnel intake gates at Sir Adam Beck-Niagara Generating Station No. 2. Service stresses were checked in the derrick used to erect the structural steel work of the powerhouse. At the Niagara River remedial works, strains were measured in a unit of the cofferdam during proof testing prior to the construction of the control dam.

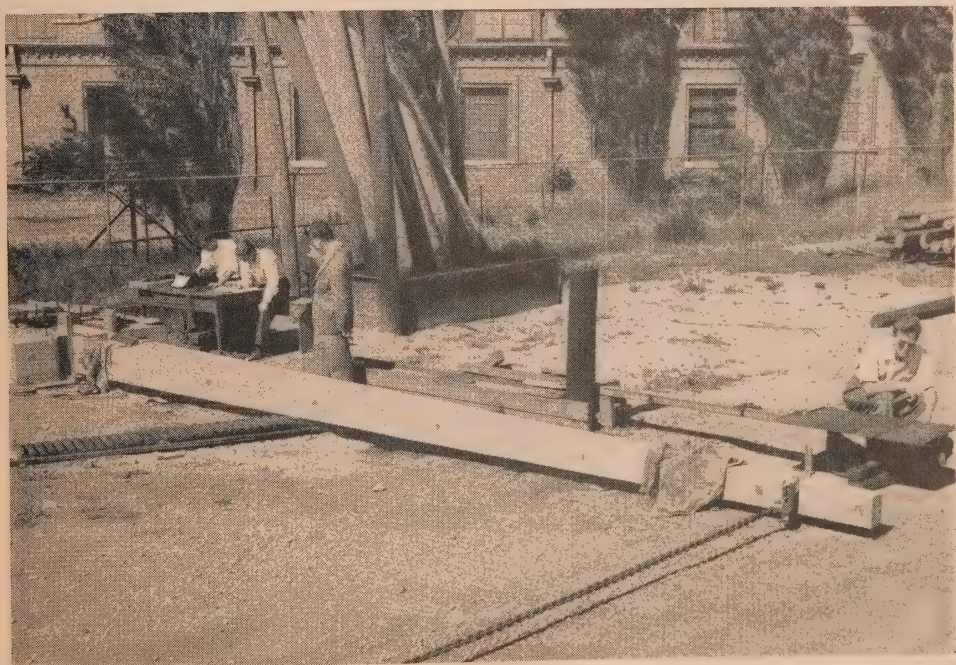
preliminary evaluation of possible aggregates was made in the field and the more promising materials were tested intensively at the central laboratory. The numerous samples were checked, both physically and petrographically, to determine first the effects of processing and second the probable performance in service. Accelerated freezing and thawing tests of concrete made with these aggregates played an important part in the evaluation, and confirmed that air-entrained concrete shows superior resistance to weathering. Consequently, a decision was made to use such concrete for all exposed surfaces at the Project. Since it appeared unlikely that the use of natural sand would be economically feasible, methods for manufacturing sand from quarried rock were critically studied and evaluated. Factors rele-

Measurement of ice-thrust against several large concrete dams in northern Ontario was continued. Provisional conclusions indicate that pressures as high as 20,000 pounds per linear foot can develop. Further experiments were planned to supplement the information already obtained. The effects of certain meteorological conditions were recorded and it was found that the frictional force of wind could be disregarded.

At Aguasabon Generating Station a surge tank serves to prevent excessively high water pressures and to provide improved operation of the station. The performance of the surge tank system was analyzed by making use of the latest theoretical methods and of the Commission's advanced computing facilities. Close agreement was obtained between previously measured values and the calculated values of surges and water-hammer pressures. The study, which probably represents the first comprehensive analysis of a full-scale surge-tank installation, showed that the station could be operated safely at full capacity and with more rapid response to changes in load. It has also contributed to improvements in methods of surge-tank design.

#### **Concrete—Newer Applications**

Studies were continued to indicate possible economies which might result from the use of prestressed concrete for various purposes. Four prestressed concrete poles designed to carry transmission lines were constructed and tested; significant design data were obtained. The poles, which consisted of two flanges joined at intervals by short, stiff diaphragms without diagonal bracing, were lighter than any other type of concrete pole investigated. Results have indicated, however, that in Ontario prestressed concrete



**PRESTRESSED CONCRETE POLES**

An experimental prestressed concrete pole is tested to destruction in comparative studies of the performance of wooden and concrete poles.

cannot yet compete economically with wood for transmission-line poles. Prestressed concrete will be used for the bridge deck of the control structure in the Niagara River remedial works. The evaluation of a number of alternative designs was necessary; for two of these designs, the assumptions of lateral load distribution were checked by the use of small scale models.

Field trials using aluminous cement in the cold-weather construction of tower footings have indicated the superior performance of this material when temperatures are considerably below freezing. Its use in the past winter brought about worth-while savings by hastening curing and by reducing the amount of thermal protection required.

## AIDS TO OPERATION

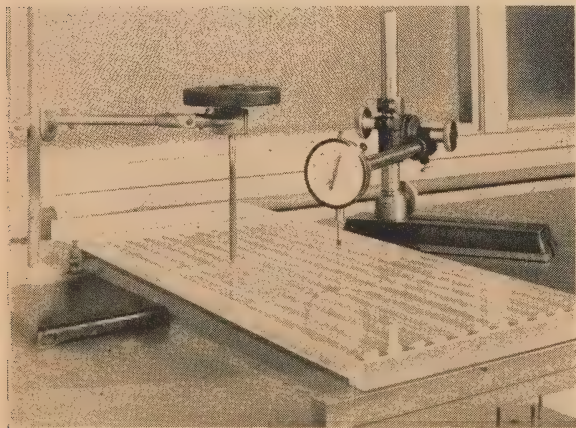
### Forecast Techniques

A new method developed for more accurately forecasting daily peak loads was adopted on a trial basis for the Southern Ontario System. The method uses a previously determined relation between illumination and weather in conjunction with a 24-hour weather forecast. The many meteorological factors associated with load forecasting were separated; those applicable were used in the new method, which has substantially reduced the forecast error.

A statistical procedure was devised for predicting the monthly average levels at particular locations on Lake Erie and Lake Ontario for periods of up to twelve months. The resulting mathematical relations are being used regularly to compute the limits of future levels in Lake Erie as an aid in estimating the waterflow available for power generation on the Niagara River. The relations for Lake Ontario can serve the same purpose for the St. Lawrence Power Project.

### Co-ordination of Power and Communication Facilities

In co-operation with The Bell Telephone Company, tests were performed to determine the damage curve for a new design of telephone protector as a function of time and current. During the tests the change of impedance for telephone-line wire was determined as well as the burn-down characteristics of the wire. By the use of the new protector it will be possible to raise the permissible current rating for fuses and reclosers for co-ordinating power and communication circuits from 50 amperes to 100 amperes. The knowledge obtained will permit the joint use of pole lines by communication companies and the Commission to be extended considerably.



BRIDGE MODEL TESTS

A plastic model of a prestressed concrete bridge undergoing lateral load distribution tests

### **Thermal Studies on Underground Cables**

The increasing use by the Commission of underground installations of high-voltage cable prompted field studies of heat-flow from buried cable. Measurements of thermal resistivity were taken along proposed cable routes and the values obtained were used in cable designs and specifications. A thermal resistivity needle, developed some years ago and since established as a working tool, was used to survey three routes in the Toronto area. The resistivity values obtained were incorporated in the cable specifications as an essential factor affecting design. On two routes good thermal characteristics of the soil permitted a choice between a significant reduction in the size and cost of the cables, and an increase in their power-carrying capacity. In certain sections of the third route, heat conductivity of the soil was so low that dangerous hot spots would develop. Calculations were therefore made of the type and amount of backfill required to avoid risk of cable failure from this cause. Laboratory tests were carried on by means of an electric analogue, a device that duplicates the physical characteristics of cable and soil, for the purpose of analyzing heat-flow under various backfill conditions.

### **Metering of Electric Power**

For metering power in high-voltage circuits the voltage must be reduced to a safe low value for application to meters. The performance of capacitive potential devices designed for this purpose was investigated, since such equipment is less expensive than conventional electromagnetic potential transformers used for the same purpose. One type of capacitive potential device proved to be as accurate as many potential transformers now in service, and thus could be used advantageously on 230-kv circuits. The transient response of this capacitor was found to be satisfactory for relaying applications. In addition, studies revealed its suitability for coupling power-line carrier frequencies to the transmission circuits.

### **Corrosion and Cavitation**

Tests were conducted in co-operation with The Detroit Edison Company to determine the likelihood of corrosion of steel-tower footings on the river crossings at Sarnia and Windsor. Cathodic protection using magnesium anodes has been proposed. An installation of this type is under consideration for towers on both sides of the river.

An oscillatory-type apparatus was designed and assembled for accelerated cavitation research and testing. It will be used to compare, on a weight-loss basis, the resistance to pitting of materials intended for use as base or reparative materials in hydraulic machinery.

### **Conductor-Joint and Vibration Studies**

The excessive vibration of conductors known as "galloping" is induced by wind, generally in conjunction with ice formation. In the continued study of this relatively infrequent phenomenon, films were taken on three different occasions of lines actually galloping. Observation was made easier

by attaching a special target to the galloping lines by the aid of a bow and arrow. Galloping was experimentally induced on a line fitted with wooden air-foils to simulate ice. The photographic records were analyzed to ascertain the character and extent of the motions. A low-amplitude conductor-vibration system was established to reveal the performance characteristics of line ties connecting lines to insulators; particular attention was given to the causes of radio and television interference.

A bolometer examination was completed on the three 230-kv circuits, each 200 miles long, and built some 25 years ago from generating stations in the Ottawa Valley to Toronto. The infra-red heat detector developed a few years ago was used for checking conductor joints and other major electrical connections. It was the most extensive survey yet undertaken with the instrument. Only about 20 joints of the 2,800 conductor joints and dead-end clamps examined showed evidence of overheating.

### EVALUATION OF PRODUCTS AND MATERIALS

Comparative testing for the stores standardization program was continued on an increased scale for a variety of materials. Hand tools, building products, line and maintenance equipment, and a wide range of consumer goods were representative of the materials tested. The work included physical property measurements and performance testing to failure. It was carried out in accordance either with established specifications or with standards developed by Ontario Hydro.

Extensive applications were also made of non-destructive testing. By means of ultrasonic techniques, laminated areas in penstock plates were outlined to facilitate their removal and repair. A recently acquired ultrasonic accessory proved useful for accurately establishing the depth of flaws. Magnetic-particle testing was used to inspect generator shafts, helicopter airframe components, and steam-turbine blading and castings.

#### **Electrical Connectors and Fittings**

Connectors which can carry normal and short-circuit currents within the limitations of the conductor are vitally important in the transmission and distribution of electricity. In view of the lack of adequate standardization of electrical connectors, the Commission undertook, in conjunction both with manufacturers and with other utilities, a program to develop methods of evaluating connector designs and of defining their performance requirements. The methods evolved included the following: heat-cycle tests to determine the performance of connectors under normally varying load currents; the measurement of current distribution in stranded conductors to establish short-circuit performance of the connectors; and exposure tests to reveal the effects of various materials, contact pressures, and cleaning methods on the resistance of the connectors to corrosion.

Line fittings were tested under simulated field conditions, both for normal service and for special uses. A type of suspension clamp that permits lighter and cheaper steel-tower construction was given a full-scale test. Special line-stringing equipment designed for use on river crossings was tested for strength, performance, and dependability. Compression joints and fittings

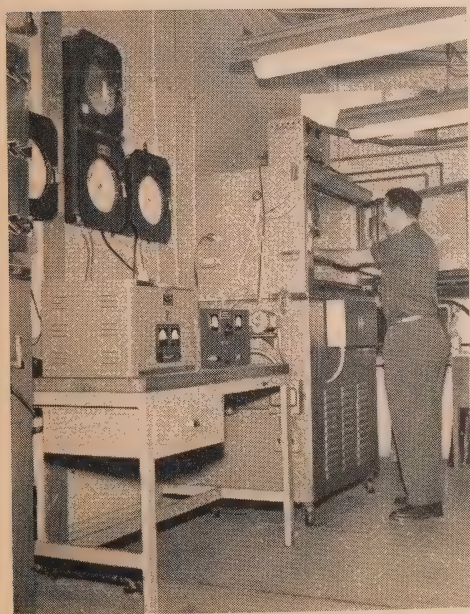
were designed for a number of special purposes, and commercially available jointing tools were tested.

### Porcelain Insulators

A program was initiated to determine the susceptibility of pin-type and suspension-type porcelain insulators to puncture under steep-front voltage impulse testing. Wave-front steepnesses as great as 5,000 kv per microsecond were applied, which imposed stresses on the insulators comparable with the stresses resulting from the most severe lightning discharges. Since the impulse voltages were single transients of very short duration, it was necessary to devise special techniques for the electronic recording oscillograph both to increase the writing speed and to synchronize with tripping of the impulse generator. This made possible the recording of voltage transients on a 0.25-microsecond sweep, using writing speeds of up to 40 inches per microsecond. The tests indicated that suspension-type insulators are more prone to failure on a steep-front wave than are pin-type.

### Construction Materials

The performance characteristics of the newer rubber and plastic types of diaphragm water-stops for joints in hydraulic structures were compared with those of stops made from metal plate. Physical properties, aging effects, and suitability for splicing were investigated; other studies were undertaken to determine leakage rates as the joints were subjected to varying degrees of movement.



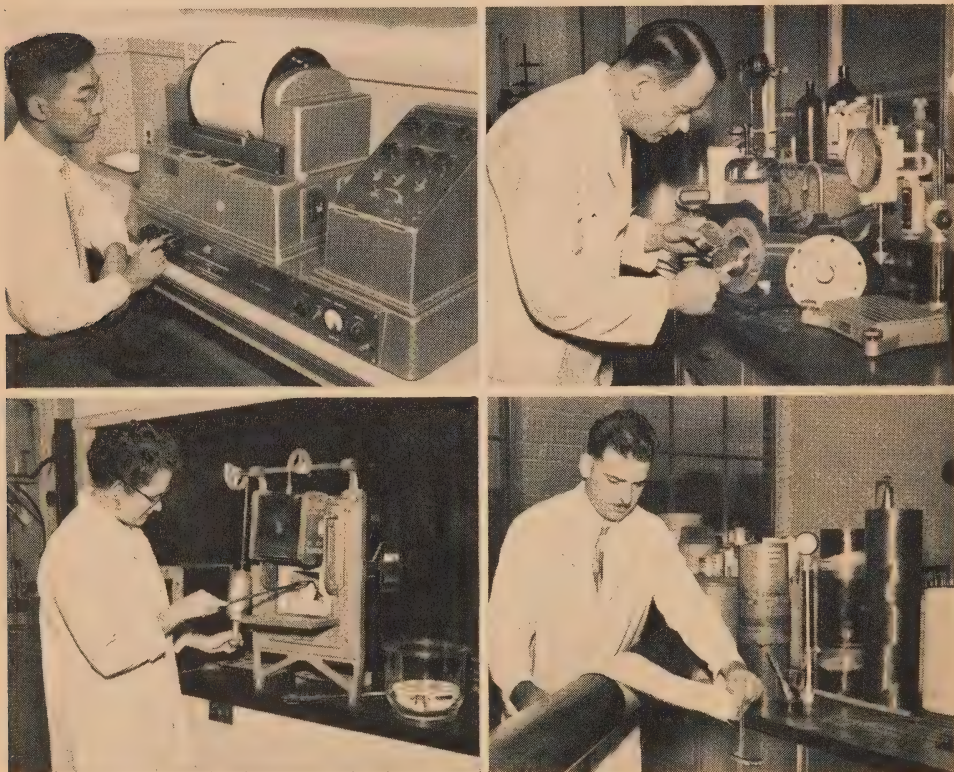
Left: TEMPERATURE CYCLING TESTS—Radio equipment being placed in a cabinet for temperature cycling tests from  $-65^{\circ}\text{C}$  to  $85^{\circ}\text{C}$



Right: FRACTIONAL DISTILLATION—Petroleum products being broken down into their components by the use of distilling equipment

Samples of plastic pipe proposed for various applications were subjected to simulated service tests and to strength tests in the laboratory. Glass-fibre reinforced materials have been proposed for high-voltage conduit, and thermo-plastic material has been suggested for conveyors of fluids and gases. Weight changes in pipe and resin samples were measured after exposure in different soil environments at several temperatures. Sonic methods were used for the non-destructive detection of changes in strength after the exposures.

The need to reduce heat loss prompted studies of the thermal insulation of underground pipes and of sluiceways; methods of installation were also evaluated. A survey was made of commercially available mineral wools in both loose and nodulated form to determine specification requirements. The cause of failure of white-coat plaster in an office building was analyzed. The failure was attributed to expansion resulting from the use of a finishing lime having too high a proportion of unhydrated magnesium oxide. Measures were devised for preventing the recurrence of this type of failure.



#### MATERIALS TESTING AND RESEARCH

Upper Left: An infra-red spectrophotometer used in the analysis of organic materials provides a continuous graph of percentage transmission at wave-lengths from 1 to 16 microns.

Upper Right: Determining the stability of greases.

Lower Left: Determining the per cent ash of coal.

Lower Right: Making an experimental joint in a glass- and fibre-reinforced plastic pipe for fluids and gases.

### **Materials and Equipment in Service**

A continuing program has been conducted to study the deterioration of wood poles and the effectiveness of various preservatives. In an effort to reduce "bleeding" of the preservative from newly treated poles, several experimental variations were introduced into the treating cycles while otherwise normal commercial production was in progress. Drier surfaces were obtained by low initial air pressures and careful after-steaming.

Flow coating as a method of refinishing transformers was studied. Hose application of paint having the correct viscosity was found to be a simple and economical procedure for coating irregular-shaped components.

A variety of problems related to the use of gaskets were investigated. Included were studies of the deterioration of gaskets for watt-hour meters, surveys of general-purpose gasket materials, and selection and checking of materials for the control-gate seals for the Niagara River remedial works.

## **NEW EQUIPMENT AND METHODS**

### **Electrical**

Improved test equipment was developed for the accelerated aging of electrical insulation for use in large rotating machines. Overvoltage is applied at operating frequency and temperature. The equipment provides improved stability, and therefore more accurate comparison of the endurance of insulation types and makes. Samples tested included mass-impregnated asphaltic, pre-impregnated asphaltic, and composite shellac-and-asphaltic insulation as well as new synthetic types. The new equipment also permitted non-destructive measurements at various stages of insulation life, thus providing data which will facilitate the detection of deterioration in service.

An operations recorder designed to provide an automatically printed record of most of the operations in a generating station is being constructed for installation at Sir Adam Beck-Niagara Generating Station No. 2. The record will show the time and character of the operation of all switches, relays, and alarms, and the name of the operating equipment. By the end of the year, more than 20 per cent of the ultimate 500 circuits in the equipment had been assembled and tested. The "memory" feature in the design enables the printing of operations without error, even if simultaneous, at a rate of 10 per second.

### **Structural and Mechanical**

A magnetostriction-type stress-meter was devised for direct measurement of stresses in reinforced, prestressed, or mass concrete. These instruments, which are small in size and without moving parts, can be embedded in concrete and connected by cable to detecting instruments at a distant reading point. They were used successfully at Sir Adam Beck-Niagara Generating Station No. 2 to measure stresses in the concrete tunnel linings during the later stages of construction.

A long gauge-length mechanical comparator was built for the purpose of accurately detecting small volume changes in concrete following accelerated weathering tests. A twin-microscope optical-length comparator was also

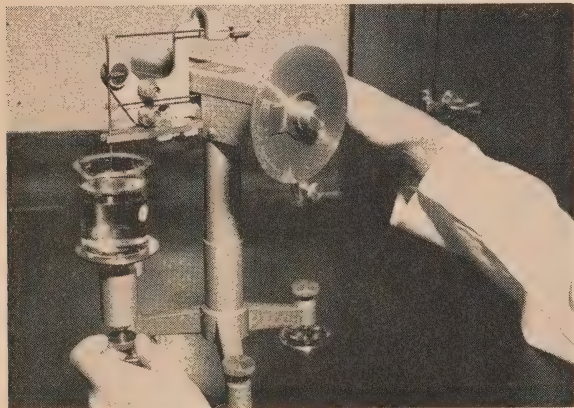
developed to permit measurement of volume changes where mechanical contact with the material under study is not possible. This instrument is capable of measurements of materials in a semi-plastic state or immersed in a conditioning fluid.

With the aid of a statistical analysis of errors, an improved technique was devised in the use of bonded resistance-wire strain gauges to measure the coefficient of expansion of concrete aggregates.

Several investigations were carried out with the use of instruments acquired to permit detailed analysis of noise and vibration phenomena. Among the new items of equipment were an audio-spectrometer, a special type of tape recorder, and a sensitive vibration meter. Typical applications of the equipment were the checking of acoustic treatments in offices, and determination of the cause of objectionable vibration in the compressor room of a large switching station.

#### Chemical

An infra-red spectrophotometer was installed for the analysis and identification of organic compounds. The equipment served successfully to check the composition and concentration of chemicals used in controlling undergrowth. Problems related to protective coatings, plastics, and the deterioration of insulating oils were also investigated.



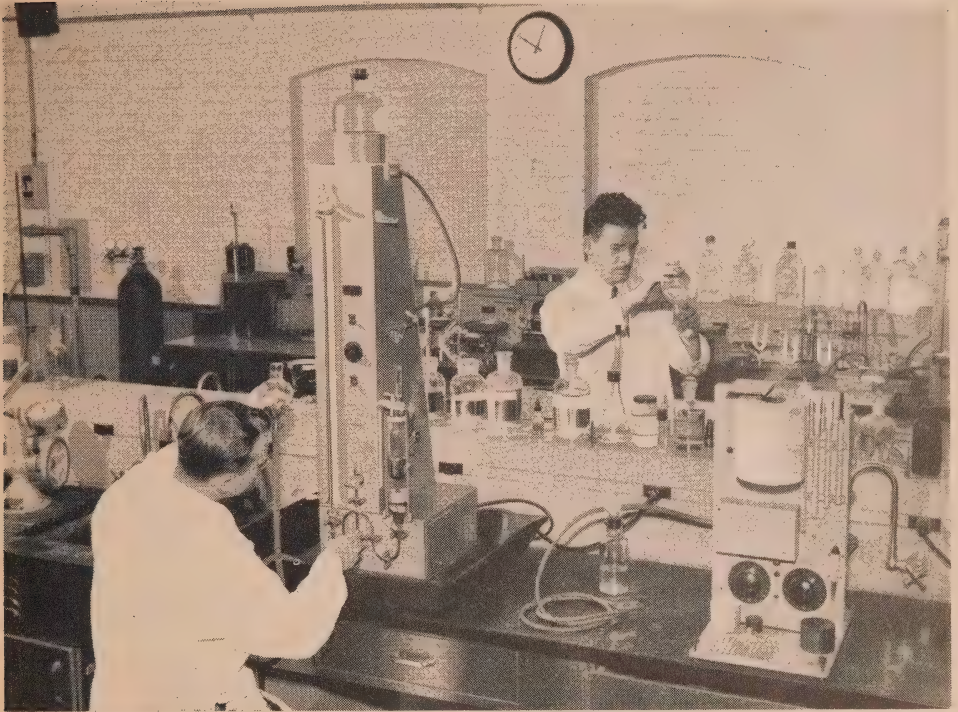
OIL TESTING

A close view of the apparatus used in interfacial tension tests of oils

Numerous spectrographic methods were established for the analysis of a wide range of metals and alloys, and for the determination of additives in lubricating oils. A special method was developed for use with powdered samples such as paint pigments and corrosion residues; the

rapid simultaneous quantitative analysis for as many as ten of the more frequently encountered elements was made possible.

A simple positive method intended for field use in the detection of combustible gases in transformers was developed. Preliminary work in the laboratory indicated that the method would be satisfactory and would reduce delays in determining causes of gas formation.



#### FLUID GAS ANALYSIS

Determining the gas content of fluids using the Van Slyke apparatus

### MISCELLANEOUS WORK

#### Safety Factors and Equipment

Appropriate attention was given to evaluating the safety characteristics of a number of items, both tools and equipment. The design, construction, and operating features of powder-actuated tools for fastening purposes and of tools for use on energized lines were checked for safety and adequacy. Physical and electrical properties of different types of safety headgear were checked.

#### Soil Warming

Experiments designed to test a soil-warming grid operating at low voltage without insulation were completed at two commercial nurseries. The installations have proved sufficiently successful during the past two-year test period to justify regular use by the nurseries.

## SECTION VII

### PERSONNEL ADMINISTRATION

**T**HE importance of the Commission's function requires that the service it provides be operated and maintained at a high standard. For this purpose the loyalty and efficiency of the staff are qualities that are continuously required, and the Commission believes that during the past year its personnel policies were successful in maintaining effective relations with its staff.

It has been customary to record the Commission's employment statistics with reference to three main groups designated as regular employees, temporary employees, and members of the contractors' staffs engaged on main Commission projects. The Commission's temporary employees are for the most part workers on construction projects where a rapid increase and a corresponding decrease in labour requirements take place over a relatively short period of time.

The number of regular employees at the end of 1954 was 13,655 as compared with 12,362 at the end of 1953. About half the apparent increase results from the revised classification of certain groups of temporary employees as regular. The remainder were for the most part operators, tradesmen, and clerical and engineering staff required to provide expanded services. The number of persons employed as temporary workers was markedly decreased as the varied construction activities at Sir Adam Beck-Niagara Generating Station No. 2 reached the final stages. Contractors' staffs engaged on main Commission projects at December 31, 1954 numbered 1,913 as compared with 4,466 at the end of 1953. The Commission's staff declined from the 1953 total of 19,406 to 17,342 at the end of 1954.

#### Collective Relations

Negotiations were carried on over an extended period with the Employees' Association representing about 9,500 of the Commission's employees. Agreement was reached early in January 1955 on a two-year contract effective

April 1, 1954. Other agreements revising wages and working conditions were negotiated with the Canadian Federation of Engineers and Scientists on behalf of approximately 1,000 professional employees and with two locals of the International Union of Operating Engineers (A.F. of L.) on behalf of a total of 250 operations and maintenance employees.

Under an agreement effective on a province-wide basis, the Ontario Hydro Construction Allied Council (A.F. of L.) bargained for 3,500 of the Commission's construction employees in 1954. This agreement makes provision for designating certain construction undertakings as special projects. In 1954 the construction of Manitou Falls Generating Station was designated a special project and appropriate wage schedules for this project and for the construction of Sir Adam Beck-Niagara Generating Station No. 2, also a special project, were negotiated during the year.

Following the commencement of construction operations for the St. Lawrence Power Project, an association to include all construction contractors at the Project was formed with a view to bringing about an agreement establishing uniform wages and working conditions. The association came into being on September 17, 1954 and is known as The Labour Relations Association—St. Lawrence Power Project. The two main contractors engaged on the Project at that date and representatives of the Commission undertook, as members of the Association, to negotiate and administer with the Allied Council a collective agreement covering all construction workers on the Project.

#### **Manpower Planning and Development**

Information derived as the planning and development program proceeds was increasingly used in planning management replacements both in the regions and at Head Office. Formal courses, psychological in content, were given during the year to engineers-in-training and to other groups of the Commission's staff.

The Commission's training scheme for junior engineers, re-established in 1953, was continued in 1954 as another group, approximately 70 in number, began a two-year program of job rotation. The broad experience which these young men are able to acquire under the scheme gives them a better understanding of the Commission's operations as a whole. The supplementary instruction they receive in many aspects of business administration assists them in adapting themselves to a wide variety of situations that may eventually be open to them. To the Commission, the program results in greater flexibility in the selection and placement of personnel. The employee trained under such a scheme is more likely to find ultimate placement in a position where he can find effective and gratifying employment of his particular skills.

The Training Centre for tradesmen was transferred from its former location near Toronto to Niagara Falls early in the year. The scope of its operations was also enlarged. A course for welders was added and plans were made to introduce a trade training program for electrical maintenance staff and a course in machine-shop training for research technicians.

A total of 19 operators-in-training were enrolled in correspondence courses related to their work and 129 other employees followed a variety of

correspondence courses under arrangements made with the Commission. In-service training is thus provided to employees at a minimum cost.

With the co-operation of the Fire Marshal's office, a training school in fire fighting was conducted and members of the staff who attended the school returned to organize training for fire fighting in their respective divisions.



**FIRE-FIGHTING SCHOOL**

Two staff members practise fire control methods at the Commission's training school conducted in co-operation with the Ontario Fire Marshal's Office.

The fire hazards in electrical stations were reviewed during the year; special consideration was given to the selection of fire-fighting equipment and to the training of staff in its use.

#### **Medical**

The medical program of the Commission is designed to meet three main requirements. One is the necessity for adequate medical supervision and services at isolated locations, or at the site of large power projects where regular facilities either do not exist or are insufficient to meet the Commission's

needs. The second is to provide for satisfactory first-aid services wherever they may be required. The third is more difficult to define precisely. It involves such medical and nursing services as may contribute to the general improvement and the maintenance of the mental and physical health of the employees. Its objective is to develop rational attitudes to health and health problems through the use of preventive and corrective methods; the beneficial results are likely to be a reduction in the amount of time and valuable manpower lost through illness. Where regular medical services are available, the Commission's medical staff is concerned primarily to render immediate help on the job and by consultation to assist employees in finding suitable medical advice and treatment.

After four years of periodic health examinations given to senior members of the staff at supervisory levels, the value of such examinations has become increasingly apparent. They have assisted in the detection of incipient disease and have, in some instances, led to its prompt correction. They have at least contributed to an improvement in the attitude to their health problems on the part of those examined.

The cost of sick-leave grants relative to total wages was in 1954 well below the average for the ten years since the present plan was instituted. Proportionately, the cost was less than in any year except 1952.

Instruction in first aid is being given throughout the regions and in the Linemen's School. The evidence of the value of this instruction lies not only

in its effective application in Commission operations, but also in the expression of appreciation from people outside the organization who have been assisted by Hydro field personnel.

#### **Safety and Accident Prevention**

The Commission again achieved a commendable improvement in the ratio of accidents to man-hours worked, the frequency of accidents being reduced by 8.8 per cent and their severity by 10.0 per cent as compared with the corresponding figures for 1953.

In conjunction with construction safety associations and the Industrial Accident Prevention Association, study was given to the hazards created by the movement or operation of hoisting and digging equipment in the vicinity of power lines.

Four persons were resuscitated after accidents, three of them being members of the Commission's staff. Canadian Electrical Association medals were awarded in recognition of their part in these resuscitations to Einar Eistrat, Carman S. Brace, Frederick A. Tate, and to members of the line crew of the Waterfront Area in the Toronto Region.

#### **Assistance Provided in Hurricane Disaster**

Reference is made elsewhere in the Report to the violence of Hurricane Hazel which caused such extensive damage in mid-October. Tributes, both official and personal, were paid members of the Commission's staff for their commendable contributions extending far beyond the line of duty in rescue and reparative operations. Signal contributions were made in rescue work, and effective assistance was given in traffic control. Equipment was made available for temporary bridging and emergency housing. Later, members of the staff assisted materially in the organization and performance of the pumping operation which so successfully reclaimed the areas of the Holland Marsh devastated by the flood. Commission equipment was made available immediately after the storm and additional equipment was marshalled from a number of other sources. Five days later the first pumps were actually in operation under power provided by two local emergency substations, and also over two miles of distribution line specially set up for the purpose. Between six and eight billion gallons of water were pumped from the flooded areas in the remarkably short space of 24 days. This enabled hundreds of farmers to return to their farms before freeze-up and to make the preparations necessary for planting 1955 crops.

## SECTION VIII

### MUNICIPAL ELECTRICAL SERVICE

**R**ETAIL electrical service was provided throughout 1954 by 338 municipal electrical utilities, and by 32 local systems owned and operated by the Commission. Included in this section of the Report are the statements of operations and the balance sheets showing the financial status of the municipal electrical utilities at December 31, 1954.

This information is prepared from books of account kept by the utilities in accordance with an accounting system designed by the Commission and accepted as a standard for utilities in all municipalities that have contracted with the Commission for a supply of power. The books of account are periodically inspected, and from time to time improvements in office routine are recommended with a view to standardizing methods used. In many of the smaller municipalities much of the accounting for the utilities is undertaken by the municipal accountants of the Commission. Such supervision ensures the correct application of the standard accounting system and the uniform classification of revenues and expenditures, but does not constitute an audit of the accounts.

The utilities maintain their own accounts with their respective municipalities for such services as street lighting, water-works, and public transportation. In the application of the basic principle of supplying electrical service at cost and in conformity with The Power Commission Act, rates have been established at levels calculated to provide revenue sufficient to cover these services. Where there has been a surplus of revenue in these accounts for municipal service, it has been returned in the form of cash or credit to the municipality. The municipality, on the other hand, is required to liquidate any deficit that may accrue.

The tables which follow show for municipal utilities and local systems the trend during the past fifteen years in number of customers served, in energy consumption both total and average per customer, and in revenue both total and average per kilowatt-hour. In 1954 a total of 1,076,229 customers were served at retail through the utilities and local systems.

There were increases over 1953 in the number of customers and in total consumption for all classes of service. Domestic service consumption increased by 13.8 per cent. Commercial light service consumption increased by 11.0 per cent, and power service consumption by 3.6 per cent. Monthly consumption per customer was higher both for domestic and for commercial light service and substantially the same for power service. To a large

## Municipal Electrical Utilities and Local Systems

## CUSTOMERS, REVENUE, AND CONSUMPTION

1940 to 1954

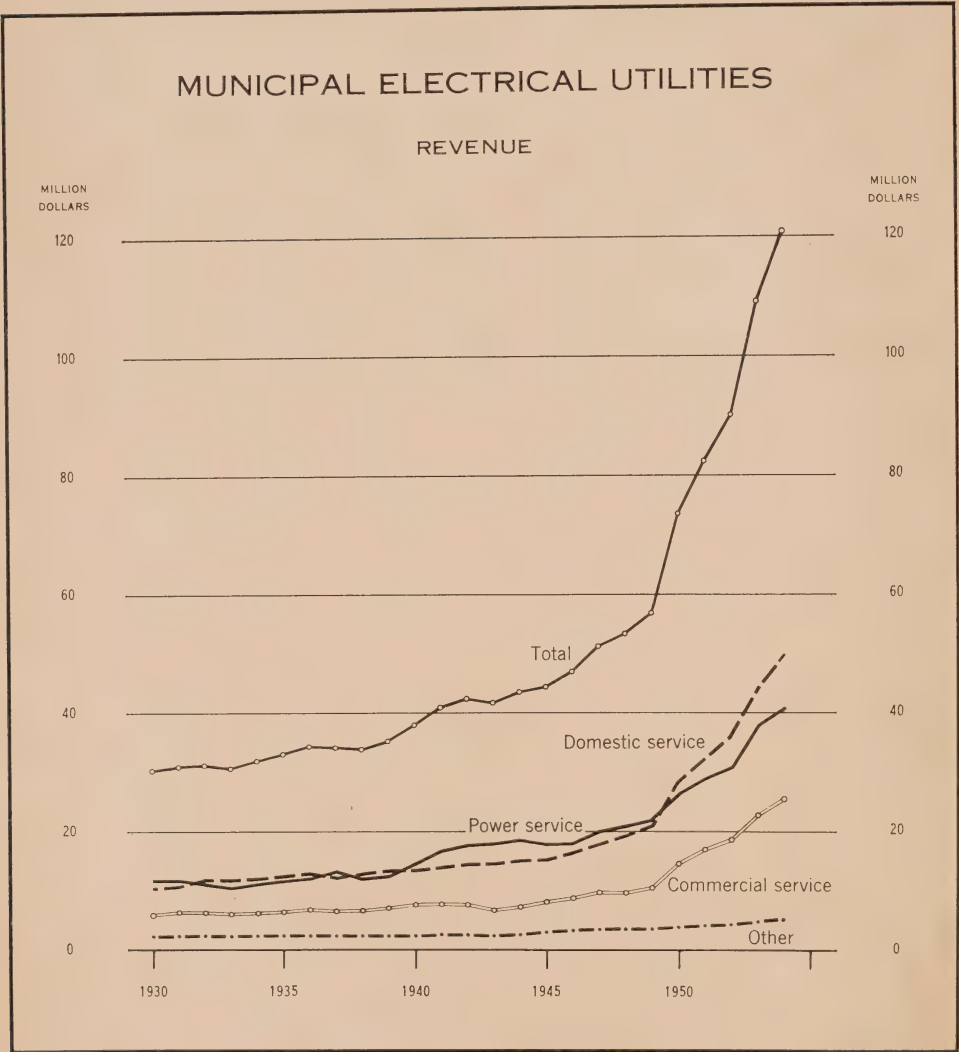
Service	Year	Revenue	Consumption	Customers	Monthly consumption per customer	Average cost per kwh
		\$	kwh	No.	kwh	cents
Domestic .....	1940	13,905,290	1,115,888,837	531,514	175	1.246
	1941	14,452,796	1,169,273,964	546,613	178	1.236
	1942	15,022,931	1,224,195,712	559,605	182	1.227
	1943	15,069,547	1,266,930,625	570,470	185	1.189
	1944	15,528,445	1,348,099,019	579,890	194	1.152
	1945	16,053,818	1,494,258,124	608,905	205	1.074
	1946	17,526,854	1,704,125,246	628,118	226	1.028
	1947	18,937,674	1,870,974,898	648,282	240	1.012
	1948	20,295,932	2,032,922,876	671,914	252	0.998
	1949	21,947,915	2,224,473,480	706,294	262	0.987
	1950	29,064,176	2,805,149,825	767,286	304	1.036
	1951	32,905,664	3,165,537,195	800,033	330	1.039
	1952	36,811,115	3,526,507,079	836,802	351	1.044
	1953	44,647,668	3,863,977,405	877,323	367	1.155
	1954	50,833,346	4,395,521,145	930,674	394	1.156
Commercial light .....	1940	7,785,024	508,986,422	79,512	533	1.530
	1941	7,991,091	540,995,581	79,824	565	1.477
	1942	7,695,928	531,680,336	77,326	573	1.447
	1943	6,787,241	472,129,977	76,194	516	1.438
	1944	7,298,848	524,905,356	78,256	559	1.391
	1945	8,429,573	634,878,480	84,413	627	1.328
	1946	9,364,009	725,475,237	89,109	679	1.291
	1947	10,277,574	797,642,711	91,926	723	1.288
	1948	10,182,051	769,650,340	95,239	673	1.323
	1949	10,890,639	819,475,244	98,682	692	1.329
	1950	15,231,494	1,080,316,296	107,817	832	1.410
	1951	17,549,402	1,254,339,597	111,154	940	1.399
	1952	19,502,920	1,394,152,087	115,304	1,008	1.399
	1953	23,603,194	1,532,991,241	119,498	1,069	1.540
	1954	26,293,250	1,701,167,341	123,884	1,144	1.546
Power .....	1940	14,298,503	1,860,661,038	13,492	11,492	0.768
	1941	16,470,516	2,208,708,737	13,685	13,450	0.746
	1942	17,501,866	2,293,797,547	13,721	13,931	0.763
	1943	17,757,984	2,334,067,598	13,837	14,057	0.761
	1944	18,375,443	2,374,869,860	13,860	14,279	0.774
	1945	17,770,481	2,346,870,889	14,726	13,281	0.757
	1946	17,981,265	2,329,774,691	15,529	12,502	0.772
	1947	19,989,875	2,652,001,321	16,325	13,538	0.754
	1948	20,742,344	2,687,513,708	16,886	13,263	0.772
	1949	21,814,062	2,806,244,668	17,594	13,292	0.777
	1950	26,966,954	3,193,783,939	18,788	14,166	0.844
	1951	29,353,071	3,459,742,798	19,370	14,884	0.848
	1952	31,403,227	3,619,518,306	20,055	15,040	0.868
	1953	38,482,884	3,948,124,809	20,885	15,753	0.975
	1954	40,855,075	4,089,513,923	21,671	15,726	0.999

extent as a result of the growth in total consumption by these three classes of service, revenue increased from \$106,733,746 in 1953 to \$117,981,671 in 1954.

MUNICIPAL ELECTRICAL ACCOUNTS  
Operating Reports

Sales Revenue and Expense

Total revenue of the municipal electrical utilities in 1954 increased by 10.6 per cent from \$109,254,321 in 1953 to \$120,856,115 in 1954. Similarly, operating costs and fixed charges rose from \$97,361,655 to \$106,774,982, leaving a net surplus of \$14,081,133. The 1953 surplus amounted to \$11,892,666. All but 5 of the 338 utilities were able to meet in full all operating expenses, interest, and debt retirement instalments and standard depreciation, and still show an operating surplus. The total deficit in these five utilities amounted to only \$5,300.



Of the total increase in expenses of the utilities, over one-half was for the cost of power purchased, which was 8.4 per cent greater than in 1953. Interest charges were 34.9 per cent higher, reflecting the recent increases in debenture debt required to finance the extensive program of municipal system improvement and expansion. Increases in maintenance, operation, and administration expense, which are also related to the substantial increases in plant assets, amounted to 10.5 per cent. Sinking fund payments in 1954 were 35.3 per cent greater and depreciation allowances were 12.3 per cent greater than in 1953.

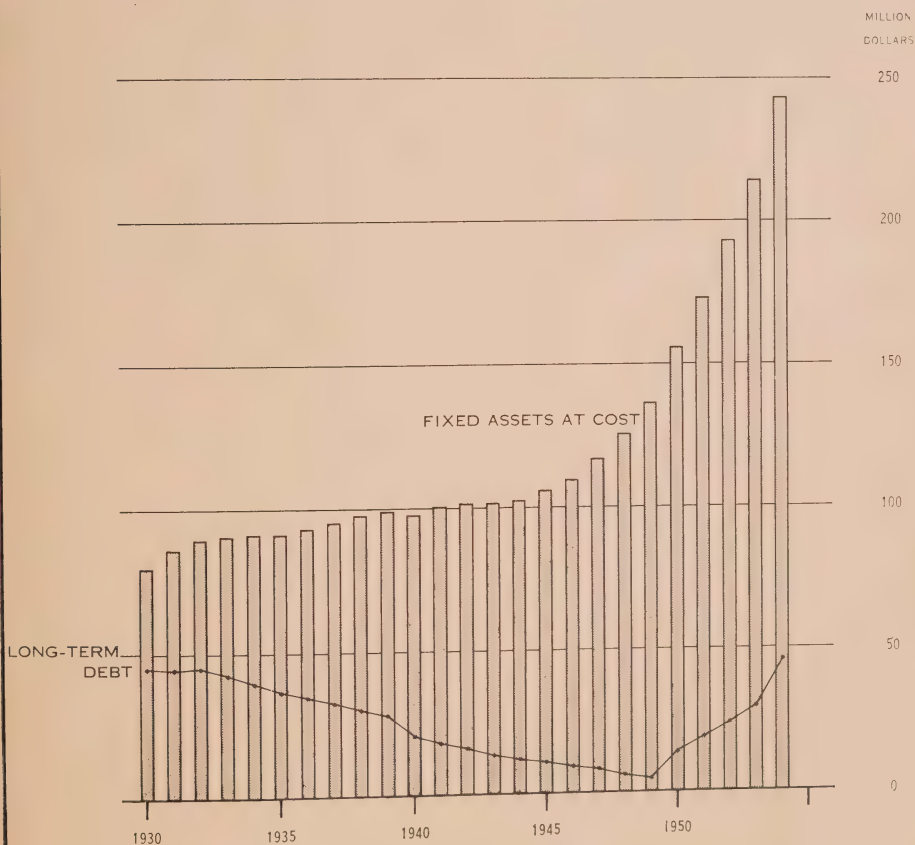
### Balance Sheets

#### Assets

The investment of the utilities in fixed assets at cost at December 31, 1954 amounted to \$243,525,699. Against this amount there was an accumulated reserve for depreciation of \$58,973,785. The total assets after

## MUNICIPAL ELECTRICAL UTILITIES

### FIXED ASSETS AND LONG-TERM DEBT



deduction of this depreciation allowance amounted to \$382,710,021. Of this sum, \$152,461,822 represented the equity in the Commission's systems acquired by those utilities operating under cost contracts with the Commission. This equity corresponds substantially with that shown in the Commission's statement of sinking fund equity for the Southern Ontario System and for the Northern Ontario Properties. Since the individual items making up this statement of sinking fund equity in the year under review are available to only a few of the utilities at the time of closing their accounts, the utilities for the most part report sinking fund equity as at the end of the previous year.

### **Liabilities**

Total liabilities rose from \$42,994,940 at December 31, 1953 to \$59,579,265 at December 31, 1954, the major part being in the form of debenture debt which was increased by \$15,817,327 from \$29,827,723 at the end of 1953 to \$45,645,050 at the end of 1954. By comparison the net increase in fixed assets during the year amounted to \$28,930,317.

### **Description of Statements**

Immediately following this summary of the financial activities of the utilities are four statistical tables. The first two deal with financial aspects of the municipal electrical utilities and the others with rates, customers, revenue, and consumption in the utilities and the local systems. Statement "A" includes the individual balance sheets and Statement "B" the operating reports of 338 municipal electrical utilities. These include Dryden, Grand Bend, Hawkesbury, Orillia, Rockland, and Wasaga Beach, which were served under cost contract for the first time in 1954, and West Ferris Township, which was first served under a fixed-rate contract in 1954. A consolidation of each group of statements appears on pages 110 and 112 together with comparative summaries for each of the preceding seven years.

#### **Statement "A"**

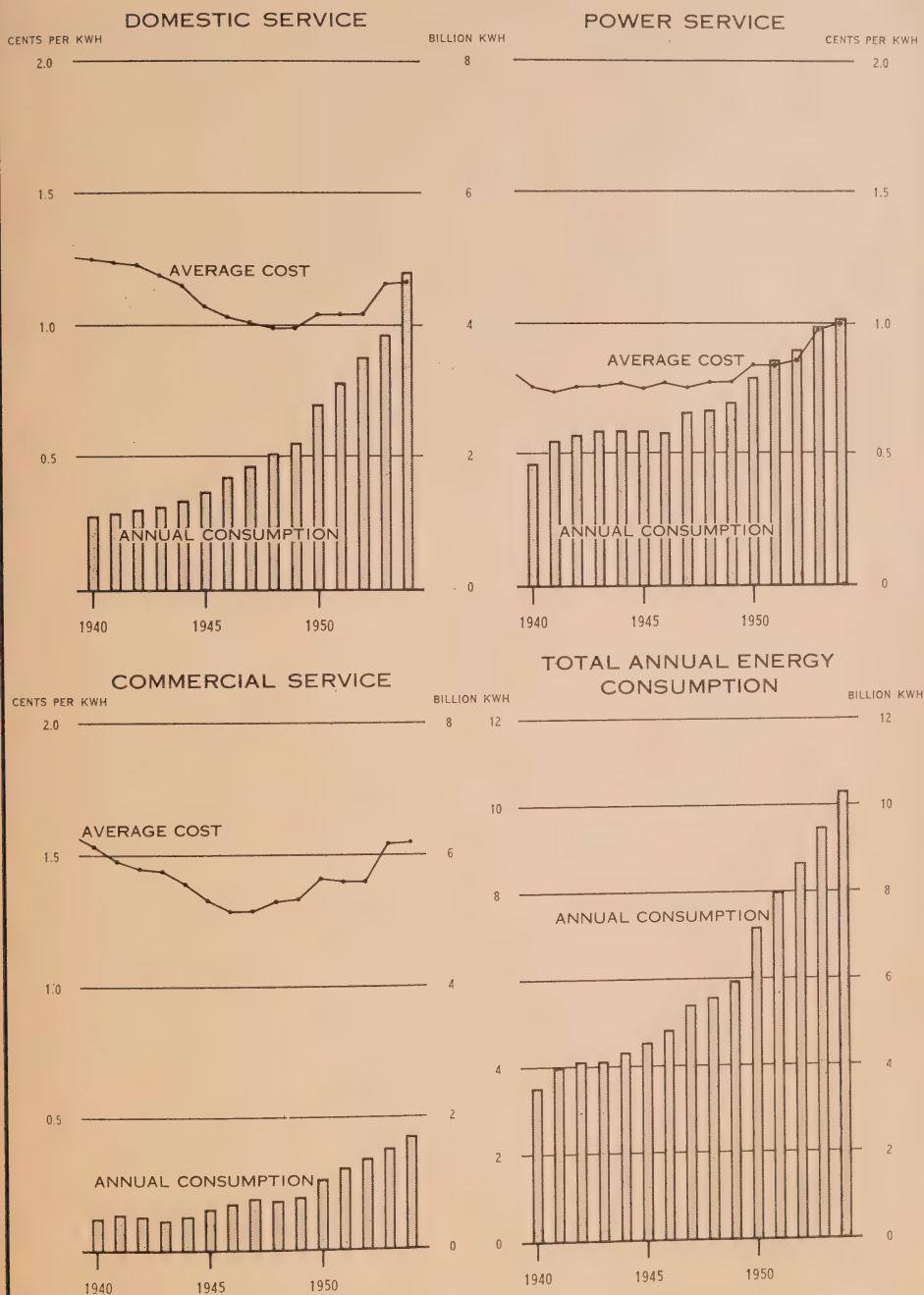
The balance sheets of the utilities are given in alphabetical order under both the Southern Ontario System and the Northern Ontario Properties. Plant values are given under the general headings specified in the standard accounting system. The asset designated as "Equity in H-E.P.C. systems" is acquired by the utilities through the payment of sinking fund as part of the cost of power and is shown in contra under "Reserves". "Surplus" includes both operating surplus and the amount of money applicable to the retirement of debenture debt, whether already used for that purpose or accumulated in a local sinking fund.

#### **Statement "B"**

The operating reports for the utilities are arranged in the same order as the balance sheets. They show itemized revenues and expenses, and the provision made for depreciation and other reserves. The number of customers served in each of three classes is also shown. The item "Power purchased" in this statement includes the net amount paid by the utility

## MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

## ANNUAL ENERGY CONSUMPTION AND AVERAGE COST PER KILOWATT-HOUR



after adjustments have been made by the Commission, taking into consideration the difference between the interim rate charged and the actual cost of the power supplied to the municipality. (See Cost of Power Statement.) Owing to the closing of their books before the actual cost of power is available, the utilities for the most part apply the adjustments of the previous year in the cost of power purchased.

#### **Statements "C" and "D"**

The rates for domestic, commercial, power, and flat-rate water-heater service are given in Statement "C" for all municipal utilities and local systems. The cost on a kilowatt basis for the supply of power to each cost-contract municipality is given in Appendix II as part of the Cost of Power Statement. Statement "D" gives revenue, number of customers, and energy consumption for the three classes of service. The average of the monthly loads billed to power service customers is also included. Statement "D", like Statement "C", includes both municipal utilities and local systems. In the former these are listed alphabetically in three tabulations according to the populations of the municipalities with which they are associated. Population figures are based on assessed population as given in the Municipal Directory for 1954 published by the Department of Municipal Affairs of Ontario.

## MUNICIPAL ELECTRICAL UTILITIES

### STATEMENT A—Balance Sheets

Consolidated for Years 1947 to 1954.....	Page 110
By Municipalities.....	Page 114

### STATEMENT B—Operating Reports

Consolidated for Years 1947 to 1954.....	Page 112
By Municipalities.....	Page 172

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## MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

STATEMENT C—Rates for Electrical Service.....	Page 230
STATEMENT D—Customers, Revenue, and Consumption...	Page 252

## CONSOLIDATED

Year.....	1947	1948	1949
Number of municipalities included.....	304	308	315
<b>ASSETS</b>	\$	\$	\$
Lands and buildings.....	12,220,747.92	12,981,533.46	13,759,701.81
Substation equipment.....	28,430,102.81	29,626,621.36	32,405,939.81
Distribution system, overhead.....	29,230,801.09	31,541,077.08	34,325,936.81
Distribution system, underground.....	7,400,874.88	8,040,205.01	8,663,874.53
Line transformers.....	15,698,549.76	17,593,431.84	19,267,220.87
Meters.....	13,112,187.77	13,948,013.24	15,050,359.45
Street light equipment, regular.....	3,827,634.40	4,486,158.98	4,847,993.56
Street light equipment, ornamental..	1,536,957.94	1,558,798.17	1,564,378.72
Miscellaneous construction expense..	4,242,837.80	4,290,247.58	4,608,566.91
Steam or hydraulic plant.....	1,080,976.81	1,457,291.81	1,478,544.77
Old plant.....	587,479.45	573,313.04	773,261.68
Other capital assets.....	...	...	...
Total plant.....	117,369,150.63	126,096,691.57	136,745,778.92
Less reserve for depreciation.....	40,146,511.52	41,962,273.09	43,893,598.38
	77,222,639.11	84,134,418.48	92,852,180.54
Bank and cash balance.....	2,759,333.88	3,480,104.26	2,654,186.08
Securities and investments.....	27,721,988.41	26,691,542.33	24,109,961.67
Accounts receivable.....	4,381,276.48	3,987,098.82	4,878,682.68
Inventories.....	3,140,379.57	3,814,953.93	4,229,137.22
Sinking fund on local debentures....	4,387,586.13	1,795,295.61	569,497.99
Other assets.....	543,728.14	541,982.60	1,089,348.62
Frequency standardization expenditure in suspense.....	...	...	155,744.87
Equity in H-E.P.C. systems.....	120,156,931.72	124,445,396.03	130,538,739.67
	86,574,096.81	92,889,067.86	100,051,662.98
Total.....	206,731,028.53	217,334,463.89	230,590,402.65
<b>LIABILITIES</b>			
Debenture balance.....	7,947,290.14	5,297,137.36	4,545,744.63
Accounts payable.....	3,028,306.12	3,813,817.24	5,666,357.71
Bank overdraft.....	613,465.91	839,973.70	943,682.84
Other liabilities.....	2,642,971.05	2,841,344.30	2,984,132.94
Total liabilities.....	14,232,033.22	12,792,272.60	14,139,918.12
<b>RESERVES</b>			
For equity in H-E.P.C. systems.....	86,574,096.81	92,889,067.86	100,051,662.98
Other reserves.....	5,788,442.87	4,545,757.39	4,673,978.72
	92,362,539.68	97,434,825.25	104,725,641.70
<b>SURPLUS</b>			
Debentures paid.....	50,208,313.28	53,457,629.91	55,525,205.90
Local sinking fund.....	4,387,586.13	1,795,295.61	569,497.99
Operating surplus.....	45,540,556.22	51,854,440.52	55,638,367.30
Net frequency standardization expense charged this year.....	...	...	8,228.36
Total surplus.....	100,136,455.63	107,107,366.04	111,724,842.83
Total.....	206,731,028.53	217,334,463.89	230,590,402.65

## BALANCE SHEETS

1950	1951	1952	1953	1954
321	324	327	332	338
\$	\$	\$	\$	\$
16,659,377.57	18,575,200.20	21,331,827.33	22,706,963.32	24,278,315.19
36,684,736.84	41,489,688.84	44,818,917.42	48,121,739.89	54,040,015.06
39,435,443.26	43,521,167.44	48,936,112.16	55,442,089.15	63,081,338.80
9,880,526.08	10,554,818.60	11,985,221.93	13,274,963.44	14,789,678.29
22,639,038.94	25,596,437.39	29,683,581.03	34,262,322.67	39,097,208.54
16,857,378.24	18,239,365.71	19,850,925.86	21,699,619.07	24,272,435.60
5,271,825.19	5,927,660.80	6,772,165.42	7,616,470.28	8,794,981.41
5,234,089.19	5,961,347.63	6,531,604.30	7,257,707.52	8,092,173.67
3,322,767.89	3,313,781.93	3,505,149.49	3,515,221.13	5,829,536.44
162,880.55	542,988.37	102,266.64	143,354.64	81,164.64
...	...	278,114.00	554,931.51	1,168,851.99
156,148,063.75	173,722,456.91	193,795,885.58	214,595,382.62	243,525,699.63
46,310,558.56	48,087,416.88	50,985,328.59	54,282,571.38	58,973,785.70
109,837,505.19	125,635,040.03	142,810,556.99	160,312,811.24	184,551,913.93
2,807,734.27	3,276,778.98	4,667,729.07	4,884,136.41	7,376,868.68
19,706,944.56	16,291,592.69	11,542,720.01	10,716,658.76	16,361,137.42
6,922,076.43	7,727,032.69	7,386,627.75	10,298,699.00	10,695,798.63
5,114,209.37	7,514,369.31	8,001,402.81	7,527,843.57	7,413,229.39
592,491.22	613,435.37	388,409.83	410,806.10	383,453.60
917,535.55	787,656.78	795,718.70	813,036.10	1,204,731.53
767,592.91	848,580.09	1,093,950.06	1,580,824.00	2,261,065.35
146,666,089.50	162,694,485.94	176,687,115.22	196,544,815.18	230,248,198.53
108,475,000.19	118,269,170.96	128,655,935.37	140,068,856.95	152,461,822.48
255,141,089.69	280,963,656.69	305,343,050.59	336,613,672.13	382,710,021.01
14,069,133.05	18,889,520.06	24,159,238.87	29,827,723.36	45,645,050.80
5,906,614.43	7,653,317.92	8,918,225.06	9,503,994.65	10,111,676.41
1,470,416.79	2,085,158.47	1,456,977.43	1,439,040.43	978,796.62
1,489,028.47	1,612,914.06	1,762,832.81	2,224,181.11	2,843,741.81
22,935,192.74	30,240,910.51	36,297,274.17	42,994,939.55	59,579,265.64
108,475,000.19	118,269,170.96	128,665,935.37	140,068,856.95	152,461,822.48
4,314,186.14	5,628,316.81	8,008,751.79	8,153,000.71	8,095,704.58
112,789,186.33	123,897,487.77	136,664,687.16	148,221,857.66	160,557,527.06
56,534,877.64	59,434,311.73	60,260,350.13	61,417,714.38	64,210,219.78
592,491.22	613,435.37	388,409.83	410,806.10	383,453.60
62,522,124.72	67,511,314.72	72,374,287.61	83,934,775.30	98,687,493.41
232,782.96	733,803.20	641,958.31	366,420.86	707,938.48
119,416,710.62	126,825,258.62	132,381,089.26	145,396,874.92	162,573,228.31
255,141,089.69	280,963,656.90	305,343,050.59	336,613,672.13	382,710,021.01

## COLSOLIDATED

Year.....	1947	1948	1949
Number of municipalities included.....	304	308	315
<b>EARNINGS</b>	\$	\$	\$
Domestic service.....	18,172,574.54	19,506,499.27	21,137,834.75
Commercial light service.....	9,819,043.11	9,766,500.29	10,444,393.84
Power service—commercial.....	17,613,525.22	18,235,664.95	19,178,070.91
—municipal.....	2,216,812.71	2,343,112.69	2,475,539.80
Street lighting.....	2,057,215.86	2,153,034.35	2,219,551.02
Merchandise.....	233,117.94	221,544.94	216,734.17
Miscellaneous.....	1,267,485.38	1,268,351.70	1,231,076.24
Total earnings.....	51,379,774.76	53,494,708.19	56,903,200.73
<b>EXPENSES</b>			
Power purchased.....	31,760,128.32	32,432,823.73	36,225,068.75
Substation operation.....	855,965.41	1,019,515.46	1,126,138.22
Substation maintenance.....	475,837.06	595,059.49	626,041.76
Distribution system, operation and maintenance.....	1,628,081.77	1,967,371.30	2,110,892.72
Line transformer maintenance.....	219,164.00	249,212.31	279,383.13
Meter maintenance.....	607,758.38	699,593.39	751,382.32
Consumers' premises expenses.....	822,675.89	1,005,146.07	1,061,668.85
Street lighting, operation and maintenance.....	547,556.40	602,995.88	688,584.31
Promotion of business.....	231,488.57	343,395.13	282,618.04
Billing and collecting.....	1,643,780.22	1,872,644.99	2,077,074.94
General office, salaries and expenses..	1,521,688.93	1,814,028.57	1,961,727.80
Undistributed expenses.....	840,075.97	803,047.22	833,337.54
Truck operation and maintenance...	202,997.29	243,560.50	269,151.54
Interest.....	423,041.93	339,213.78	305,084.60
Sinking fund and principal payments on debentures.....	992,793.11	903,443.37	842,182.95
Depreciation.....	3,002,877.86	3,278,262.63	3,631,483.76
Other reserves.....	1,478,990.80	1,051,522.24	634,690.02
Total operating costs and fixed charges.....	47,254,901.91	49,220,836.06	53,706,511.25
Net surplus.....	4,124,872.85	4,273,872.13	3,196,689.48
<b>NUMBER OF CUSTOMERS</b>			
Domestic service.....	625,705	649,220	684,417
Commercial light service.....	87,937	91,382	94,881
Power service.....	15,867	16,439	17,184
Total.....	729,509	757,041	796,482

OPERATING REPORTS

1950	1951	1952	1953	1954
321	324	327	332	338
\$	\$	\$	\$	\$
28,066,402.91	31,977,317.76	35,719,556.00	43,344,584.75	49,487,941.65
14,690,733.78	17,033,595.94	18,883,646.21	22,810,062.53	25,505,151.26
23,873,159.20	26,172,943.55	27,969,600.46	34,353,328.93	37,235,077.39
2,907,974.03	3,011,056.35	3,120,077.38	3,807,113.85	3,296,054.03
2,552,755.74	2,769,300.03	3,051,561.67	3,681,919.79	3,986,609.82
216,549.51	100,096.18	95,209.20	106,439.08	43,052.13
1,215,956.41	1,247,371.11	1,219,388.54	1,150,872.57	1,302,229.00
73,523,531.58	82,311,680.92	90,059,039.46	109,254,321.50	120,856,115.28
46,400,040.72	50,854,323.41	55,583,500.98	69,750,629.67	75,589,512.37
1,441,553.66	1,648,120.74	1,812,532.71	1,965,232.59	2,157,176.57
679,136.10	758,392.52	867,073.89	981,867.28	1,135,063.20
2,682,034.57	3,070,534.44	3,422,084.98	3,664,900.97	3,987,224.86
335,739.15	423,156.46	523,767.55	618,888.59	634,789.25
762,974.01	849,951.63	973,728.31	1,104,514.16	1,211,165.85
1,243,611.94	1,430,859.05	1,546,966.93	1,533,655.23	1,604,458.24
705,830.91	755,502.07	845,581.99	902,681.79	992,791.95
277,190.88	319,888.95	331,117.86	371,878.60	404,276.95
2,382,607.11	2,776,376.16	3,088,533.47	3,361,829.39	3,759,637.54
2,162,662.43	2,487,764.68	2,893,011.38	3,192,357.30	3,552,814.71
1,331,333.41	1,699,441.87	1,333,142.85	1,310,174.19	1,582,975.39
302,310.53	240,376.40	249,081.16	222,900.25	231,205.51
497,138.36	675,630.04	989,788.76	1,276,681.71	1,722,023.27
980,917.96	849,300.82	991,597.62	1,123,786.30	1,520,681.80
4,076,473.95	4,717,496.55	5,293,508.78	5,832,594.43	6,547,361.07
1,769,378.03	87,225.06	71,211.41	147,082.99	141,824.01
68,030,933.72	73,644,340.85	80,816,230.63	97,361,655.44	106,774,982.54
5,492,597.86	8,667,340.07	9,242,808.83	11,892,666.06	14,081,132.74
745,422	778,517	811,233	850,904	904,949
104,122	107,416	111,169	114,855	119,622
18,372	18,947	19,573	20,385	21,171
867,916	904,880	941,975	986,144	1,045,742

Municipal  
BALANCE  
as at

SOUTHERN ONTARIO SYSTEM

Municipality.....	Acton	Ailsa Craig	Alexandria	Alliston	Almonte
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....	13,193.15	...	65,120.98	...	11,776.44
Substation equipment.....	1,958.36	...	...	4,583.94	24,831.90
Distribution system, overhead.....	61,765.72	13,387.54	52,496.98	53,736.34	55,041.42
Distribution system, underground.....	...	...	...	...	...
Line transformers.....	39,749.99	8,138.66	35,369.19	27,282.99	31,715.39
Meters.....	21,624.84	5,339.87	18,884.63	22,361.88	19,321.29
Street light equipment, regular.....	9,541.88	535.35	4,475.26	6,342.51	10,907.08
Miscellaneous construction expense.....	8,607.98	26.03	3,366.04	4,263.36	3,122.00
Steam or hydraulic plant.....	...	...	...	...	110,174.97
Old plant.....	...	...	...	7,846.49	...
Other capital assets.....	...	...	...	...	6,060.10
Total plant.....	156,441.92	27,427.45	179,713.08	126,417.51	272,950.59
Less reserve for depreciation.....	18,503.97	2,854.67	35,128.80	21,759.97	66,286.24
	137,937.95	24,572.78	144,584.28	104,657.54	206,664.35
Bank and cash balance.....	25,935.80	1,738.88	4,317.45	5,746.12	7,284.54
Securities and investments.....	2,000.00	...	13,000.00	22,000.00	52,000.00
Accounts receivable.....	4,576.78	896.24	4,866.83	1,777.70	3,249.49
Inventories.....	1,817.38	...	6,745.05	5,511.00	7,562.46
Sinking fund on local debentures.....	...	...	...	...	...
Other assets.....	410.11	...	...	6,483.99	38.70
Frequency standardization expenditure in suspense.....	1,879.72	...	...	...	...
	174,557.74	27,207.90	173,513.61	146,176.35	276,799.54
Equity in H-E.P.C. systems.....	214,900.82	35,947.64	75,524.11	70,912.79	16,766.47
Total.....	389,458.56	63,155.54	249,037.72	217,089.14	293,566.01
LIABILITIES					
Debenture balance.....	35,000.00	...	13,392.25	...	2,911.74
Accounts payable.....	223.34	358.89	94.67	28.97	3,074.20
Bank overdraft.....	...	...	...	...	...
Other liabilities.....	2,847.05	140.00	3,165.48	2,170.60	928.20
Total liabilities.....	38,070.39	498.89	16,652.40	2,199.57	6,914.14
RESERVES					
For equity in H-E.P.C. systems.....	214,900.82	35,947.64	75,524.11	70,912.79	16,766.47
Other reserves.....	1,496.35	...	...	100.00	1,792.00
	216,397.17	35,947.64	75,524.11	71,012.79	18,558.47
SURPLUS					
Debentures paid.....	14,500.00	6,883.38	40,906.98	37,736.04	69,088.26
Local sinking fund.....	...	...	...	...	...
Operating surplus.....	120,491.00	19,825.63	115,954.23	106,140.74	199,005.14
Net frequency standardization expense charged this year.....	...	...	...	...	...
Total surplus.....	134,991.00	26,709.01	156,861.21	143,876.78	268,093.40
Total.....	389,458.56	63,155.54	249,037.72	217,089.14	293,566.01

## Electrical Utilities

## SHEETS

December 31, 1954

Alvinston	Amherstburg	Ancaster Twp.	Apple Hill	Arkona	Arnprior	Arthur
\$ 126.04	\$ ...	\$ 354.71	\$ 169.06	\$ ...	\$ 8,241.00	\$ ...
29,195.10	88,324.39	96,266.20	8,146.02	13,192.38	97,578.95	29,682.08
6,277.89	688.03	43,031.22	3,122.96	7,386.39	49,442.34	17,825.77
6,359.26	63,674.37	19,788.94	1,919.22	4,915.14	33,713.50	10,474.47
1,666.15	31,948.31	3,368.76	576.64	1,378.88	54,539.18	2,870.88
144.20	4,427.32	5,098.32	7.85	59.98	437.75	1,348.72
...	5,089.04	...	...	...	...	1,086.62
...	...	...	...	...	...	...
...	...	...	...	...	...	...
43,768.64	194,151.46	167,908.15	13,941.75	26,932.77	243,952.72	63,288.54
11,420.82	54,748.56	13,316.97	2,606.33	7,687.84	13,867.99	16,052.04
32,347.82	139,402.90	154,591.18	11,335.42	19,244.93	230,084.73	47,236.50
4,638.36	3,968.98	25.00	5,224.95	3,951.16	941.74	5,469.17
3,500.00	14,000.00	...	1,000.00	4,000.00	...	14,000.00
445.56	3,978.65	6,484.19	106.87	125.66	1,367.60	304.62
...	8,796.83	...	...	...	8,663.17	...
...	...	...	...	...	...	...
...	49.80	263.50	300.00	...	...	97.50
...	6,005.72	...	...	...	...	...
40,931.74	176,202.88	161,363.87	17,967.24	27,321.75	241,057.24	67,107.79
35,826.99	164,292.92	55,889.03	8,145.92	17,648.95	74,513.02	48,167.63
76,758.73	340,495.80	217,252.90	26,113.16	44,970.70	315,570.26	115,275.42
...	23,000.00	77,496.79	...	...	22,965.53	708.61
...	296.32	218.24	284.08	507.87	2,275.69	...
...	...	2,626.40	...	...	...	...
43.00	2,166.16	560.32	...	...	4,748.73	512.80
43.00	25,462.48	80,901.75	284.08	507.87	29,989.95	1,221.41
35,826.99	164,292.92	55,889.03	8,145.92	17,648.95	74,513.02	48,167.63
59.50	117.30	400.40	...	...	2,237.75	...
35,886.49	164,410.22	56,289.43	8,145.92	17,648.95	76,750.77	48,167.63
23,529.24	34,053.60	21,613.49	5,080.12	13,112.83	57,503.60	24,291.39
17,300.00	118,546.51	58,448.23	12,603.04	13,701.05	151,325.94	41,594.99
...	1,977.01	...	...	...	...	...
40,829.24	150,623.10	80,061.72	17,683.16	26,813.88	208,829.54	65,886.38
76,758.73	340,495.80	217,252.90	26,113.16	44,970.70	315,570.26	115,275.42

**Municipal  
BALANCE**

**as at**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Athens	Aurora	Aylmer	Ayr	Baden
<b>ASSETS</b>	\$	\$	\$	\$	\$
Lands and buildings.....	...	24,860.82	11,196.61	125.00	882.40
Substation equipment.....	...	1,711.20	5,125.60	...	...
Distribution system, overhead....	24,583.34	66,116.45	62,036.95	16,836.85	18,005.28
Distribution system, underground..	...	...	...	...	...
Line transformers.....	8,302.17	46,328.33	60,888.94	16,574.73	12,063.48
Meters.....	5,959.61	33,333.57	31,153.62	8,084.24	7,016.86
Street light equipment, regular....	3,912.13	14,205.18	13,169.14	1,259.38	830.96
Miscellaneous construction expense	973.70	10,404.82	5,384.34	70.28	504.01
Steam or hydraulic plant.....	...	...	...	...	...
Old plant.....	...	...	...	...	...
Other capital assets.....	...	...	...	...	...
Total plant.....	43,730.95	196,960.37	188,955.20	42,950.48	39,302.99
Less reserve for depreciation.....	5,865.25	36,863.50	47,463.02	10,887.70	7,007.85
	37,865.70	160,096.87	141,492.18	32,062.78	32,295.14
Bank and cash balance.....	1,071.78	12,205.95	4,354.38	2,029.87	5,494.47
Securities and investments.....	20,000.00	...	...	17,000.00	6,500.00
Accounts receivable.....	3,110.00	1,300.85	2,503.22	4,295.12	1,522.80
Inventories.....	...	171.77	229.24	...	...
Sinking fund on local debentures..	...	...	...	...	...
Other assets.....	...	140.00	71.85	15.00	...
Frequency standardization expendi- ture in suspense.....	...	...	...	347.00	4,956.06
	62,047.48	173,915.44	148,650.87	55,749.77	50,768.47
Equity in H-E.P.C. systems.....	18,639.58	62,782.48	138,233.05	41,354.25	81,531.76
Total.....	80,687.06	236,697.92	286,883.92	97,104.02	132,300.23
<b>LIABILITIES</b>					
Debenture balance.....	...	...	...	...	...
Accounts payable.....	707.49	491.43	1,499.77	196.73	...
Bank overdraft.....	...	...	...	...	...
Other liabilities.....	...	2,236.41	2,512.66	74.64	...
Total liabilities.....	707.49	2,727.84	4,012.43	271.37	...
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	18,639.58	62,782.48	138,233.05	41,354.25	81,531.76
Other reserves.....	206.06	100.00	190.72	...	...
	18,845.64	62,882.48	138,423.77	41,354.25	81,531.76
<b>SURPLUS</b>					
Debentures paid.....	12,988.39	...	38,701.92	17,503.38	5,000.00
Local sinking fund.....	...	...	...	...	...
Operating surplus.....	48,145.54	171,087.60	105,745.80	37,975.02	45,768.47
Net frequency standardization ex- pense charged this year.....	...	...	...	...	...
Total surplus.....	61,133.93	171,087.60	144,447.72	55,478.40	50,768.47
Total.....	80,687.06	236,697.92	286,883.92	97,104.02	132,300.23

## Electrical Utilities

## SHEETS

December 31, 1954

Bancroft	Barrie	Barry's Bay	Bath	Beachville	Beamsville	Beaverton
\$	\$	\$	\$	\$	\$	\$
...	138,754.76	...	...	176.13	...	300.50
26,821.67	200,989.23	...	...	...	...	...
13,580.44	197,998.36	25,753.93	18,075.52	36,070.86	33,684.09	35,867.22
9,881.26	66,582.89	...	...	...	...	...
2,578.49	148,851.44	11,203.60	6,768.64	12,072.25	21,831.96	18,045.82
767.87	122,880.92	6,212.90	3,167.18	6,630.57	14,033.90	11,222.40
116,317.01	20,283.66	2,027.98	1,412.17	1,018.60	6,009.62	4,323.05
...	6,580.30	324.20	165.60	348.18	...	311.06
...	...	...	...	...	...	...
...	...	2,500.00	...	...	...	...
...	...	...	...	...	...	...
169,946.74	902,921.56	48,022.61	29,589.11	56,316.59	75,559.57	70,070.05
35,992.43	235,601.13	1,564.91	5,887.97	14,625.94	15,939.34	16,352.27
133,954.31	667,320.43	46,457.70	23,701.14	41,690.65	59,620.23	53,717.78
10,752.87	100.00	10,558.01	2,837.98	2,841.35	6,030.63	1,038.93
4,768.73	10,663.62	207.96	664.25	5,000.00	7,000.00	...
2,106.56	20,230.86	...	...	1,074.19	741.76	342.58
...	...	...	...	...	...	3.62
150.00	498.66	...	...	...	840.00	350.00
...	...	...	...	...	323.00	...
151,732.47	698,813.57	57,223.67	27,203.37	50,606.19	74,555.62	55,452.91
3,431.54	471,827.65	2,130.78	7,591.10	110,412.80	34,474.49	51,913.33
155,164.01	1,170,641.22	59,354.45	34,794.47	161,018.99	109,030.11	107,366.24
31,500.00	...	2,483.40	...	...	...	...
2,167.03	6,363.55	...	...	3,099.89	1,604.32	...
...	9,510.72	...	...	...	...	...
307.00	8,715.71	90.00	310.64	60.00	579.83	520.00
33,974.03	24,589.98	2,573.40	310.64	3,159.89	2,184.15	520.00
3,431.54	471,827.65	2,130.78	7,591.10	110,412.80	34,474.49	51,913.33
...	500.00	...	...	25.92	...	370.00
3,431.54	472,327.65	2,130.78	7,591.10	110,438.72	34,474.49	52,283.33
36,000.00	65,365.68	7,516.60	7,500.00	5,536.66	37,500.00	12,839.34
81,758.44	608,357.91	47,133.67	19,392.73	41,883.72	34,871.47	41,723.57
...	...	...	...	...	...	...
117,758.44	673,723.59	54,650.27	26,892.73	47,420.38	72,371.47	54,562.91
155,164.01	1,170,641.22	59,354.45	34,794.47	161,018.99	109,030.11	107,366.24

**Municipal  
BALANCE  
as at**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Beeton	Belle River	Belleville	Blenheim	Bloomfield
	\$	\$	\$	\$	\$
<b>ASSETS</b>					
Lands and buildings.....	...	3,312.20	46,209.57	14,874.79	...
Substation equipment.....	...	...	218,152.98	1,264.64	...
Distribution system, overhead.....	23,802.79	40,564.49	310,000.73	80,543.67	13,406.07
Distribution system, underground.....	...	...	...	...	...
Line transformers.....	6,707.97	15,160.82	126,645.88	47,612.29	4,619.85
Meters.....	5,654.63	11,863.11	149,006.63	28,107.74	5,394.25
Street light equipment, regular.....	3,832.54	3,856.52	57,937.70	9,349.49	3,437.51
Miscellaneous construction expense	143.55	3,105.48	23,216.73	203.17	...
Steam or hydraulic plant.....	...	...	...	...	...
Old plant.....	...	...	...	...	...
Other capital assets.....	...	...	...	...	...
Total plant.....	40,141.48	77,862.62	931,170.22	181,955.79	26,857.68
Less reserve for depreciation.....	6,327.22	17,156.30	164,538.02	28,448.27	12,911.07
	33,814.26	60,706.32	766,632.20	153,507.52	13,946.61
Bank and cash balance.....	2,786.26	2,761.35	5,600.34	3,643.70	5,143.76
Securities and investments.....	1,000.00	2,000.00	155,000.00	...	23,500.00
Accounts receivable.....	209.57	608.43	40,643.09	651.77	1,362.71
Inventories.....	...	...	36,068.42	2,052.88	...
Sinking fund on local debentures.....	...	...	...	...	...
Other assets.....	...	55.34	...	357.42	...
Frequency standardization expenditure in suspense.....	...	...	...	...	...
	37,810.09	66,131.44	1,003,944.05	160,213.29	43,953.08
Equity in H-E.P.C. systems.....	36,316.41	33,460.85	619,216.47	102,092.41	19,463.78
Total.....	74,126.50	99,592.29	1,623,160.52	262,305.70	63,416.86
<b>LIABILITIES</b>					
Debenture balance.....	...	11,000.00	...	25,110.44	...
Accounts payable.....	40.69	1,584.50	...	...	329.10
Bank overdraft.....	...	...	...	...	...
Other liabilities.....	180.00	585.00	24,152.80	445.00	284.00
Total liabilities.....	220.69	13,169.50	24,152.80	25,555.44	613.10
<b>RESERVES</b>					
For equity in H-E.P.C. systems.....	36,316.41	33,460.85	619,216.47	102,092.41	19,463.78
Other reserves.....	86.50	811.68	4,084.91	1,836.08	...
	36,402.91	34,272.53	623,301.38	103,928.49	19,463.78
<b>SURPLUS</b>					
Debentures paid.....	13,610.31	9,500.00	174,997.19	18,889.56	9,796.58
Local sinking fund.....	...	...	...	...	...
Operating surplus.....	23,892.59	44,232.93	800,709.15	114,019.71	33,543.40
Net frequency standardization expense charged this year.....	...	1,582.67	...	87.50	...
Total surplus.....	37,502.90	52,150.26	975,706.34	132,821.77	43,339.98
Total.....	74,126.50	99,592.29	1,623,160.52	262,305.70	63,416.86

## Electrical Utilities

## SHEETS

December 31, 1954

Blyth	Bobcaygeon	Bolton	Bothwell	Bowmanville	Bradford	Braeside
\$	\$	\$	\$	\$	\$	\$
...	740.00	...	...	62,225.01	5,994.84	...
20,750.89	43,308.67	27,028.95	17,286.89	156,047.52	...	9,731.66
11,978.79	16,880.73	18,616.98	10,426.12	136,648.16	63,290.55	3,979.49
6,311.78	14,386.59	9,980.72	6,114.61	42,732.08	33,001.63	3,965.33
1,585.93	7,758.48	1,480.53	4,764.50	43,745.23	19,795.97	184.14
435.80	992.74	10.80	...	25,689.96	9,676.15	...
...	74,750.00	...	...	5,775.94	4,849.13	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
41,063.19	158,817.21	57,117.98	38,592.12	472,863.90	136,608.27	17,860.62
5,550.61	45,599.98	9,846.73	11,225.05	110,272.10	18,121.00	702.44
35,512.58	113,217.23	47,271.25	27,367.07	362,591.80	118,487.27	17,158.18
2,133.58	7,715.51	3,006.58	3,259.12	14,857.21	25,171.16	1,565.51
8,000.00	5,000.00	...	6,000.00	65,000.00	2,500.00	...
282.29	6,959.20	390.41	174.56	8,654.84	1,732.85	1,508.96
...	3,591.43	837.72	...	11,312.62	6,092.74	...
...	...	...	...	...	...	...
28.00	...	...	...	236.71	...	...
...	...	...	...	...	...	...
45,956.45	136,483.37	51,505.96	36,800.75	462,653.18	153,984.02	20,232.65
29,396.01	7,697.66	44,983.35	40,191.92	238,834.35	53,340.79	6,278.32
75,352.46	144,181.03	96,489.31	76,992.67	701,487.53	207,324.81	26,510.97
...	17,361.19	...	...	...	...	3,580.80
591.90	1,269.57	5,000.00	362.25	551.96	263.17	...
...	...	...	...	...	...	...
198.79	60.00	496.39	100.95	3,355.00	1,202.44	170.00
790.69	18,690.76	5,496.39	463.20	3,906.96	1,465.61	3,750.80
29,396.01	7,697.66	44,983.35	40,191.92	238,834.35	53,340.79	6,278.32
...	...	70.60	...	...	100.00	...
29,396.01	7,697.66	45,053.95	40,191.92	238,834.35	53,440.79	6,278.32
16,032.52	72,638.81	12,500.00	5,534.19	71,000.00	23,351.06	2,419.20
29,133.24	45,153.80	33,438.97	30,803.36	387,746.22	129,067.35	14,062.65
...	...	...	...	...	...	...
45,165.76	117,792.61	45,938.97	36,337.55	458,746.22	152,418.41	16,481.85
75,352.46	144,181.03	96,489.31	76,992.67	701,487.53	207,324.81	26,510.97

**Municipal  
BALANCE  
as at**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Brampton	Brantford	Brantford Twp.	Brechin
<b>ASSETS</b>	\$	\$	\$	\$
Lands and buildings.....	6,358.75	290,383.38	6,849.78	...
Substation equipment.....	154,544.43	416,573.70	96,248.06	...
Distribution system, overhead.....	184,369.74	741,613.70	296,446.37	2,918.42
Distribution system, underground.....	...	22,431.76	...	...
Line transformers.....	144,942.04	493,266.31	150,163.05	2,743.23
Meters.....	75,012.11	312,923.41	91,335.85	1,746.91
Street light equipment, regular.....	18,598.24	69,372.63	25,444.75	197.38
Miscellaneous construction expense.....	9,715.65	68,126.09	14,056.17	95.40
Steam or hydraulic plant.....	...	...	...	...
Old plant.....	...	6,000.00	...	...
Other capital assets.....	...	...	...	...
Total plant.....	593,540.96	2,420,690.98	680,544.03	7,701.34
Less reserve for depreciation.....	106,182.19	663,103.58	118,449.37	1,620.47
	487,358.77	1,757,587.40	562,094.66	6,080.87
Bank and cash balance.....	137,601.12	3,053.69	25,800.82	3,700.82
Securities and investments.....	1,500.00	36,000.00	25,000.00	10,000.00
Accounts receivable.....	5,025.19	43,835.09	3,253.07	43.20
Inventories.....	16,182.68	62,412.43	15,764.17	...
Sinking fund on local debentures.....	...	...	...	...
Other assets.....	...	44,973.31	701.72	...
Frequency standardization expenditure in suspense.....	4,316.32	61,865.65	2,235.00	...
	651,984.08	2,009,727.57	634,849.44	19,824.89
Equity in H-E.P.C. systems.....	461,101.58	2,549,859.20	160,253.07	16,383.38
Total.....	1,113,085.66	4,559,586.77	795,102.51	36,208.27
<b>LIABILITIES</b>				
Debenture balance.....	260,000.00	335,000.00	174,695.23	...
Accounts payable.....	1,531.89	4,321.98	205.52	513.69
Bank overdraft.....	...	8,511.64	...	...
Other liabilities.....	4,235.00	45,260.04	3,656.74	75.00
Total liabilities.....	265,766.89	393,093.66	178,557.49	588.69
<b>RESERVES</b>				
For equity in H-E.P.C. systems.....	461,101.58	2,549,859.20	160,253.07	16,383.38
Other reserves.....	2,209.06	11,617.79	1,537.53	28.93
	463,310.64	2,561,476.99	161,790.60	16,412.31
<b>SURPLUS</b>				
Debentures paid.....	69,050.64	545,000.00	112,430.43	2,664.00
Local sinking fund.....	...	...	...	...
Operating surplus.....	314,957.49	1,060,016.12	342,323.99	16,543.27
Net frequency standardization expense charged this year.....	...	...	...	...
Total surplus.....	384,008.13	1,605,016.12	454,754.42	19,207.27
Total.....	1,113,085.66	4,559,586.77	795,102.51	36,208.27

## Electrical Utilities

## SHEETS

December 31, 1954

Bridgeport	Brigden	Brighton	Brockville	Bronte	Brussels	Burford
\$ ...	\$ 1,482.03	\$ 600.00	\$ 82,922.96	\$ ...	\$ ...	\$ 802.00
28,336.68	18,271.17	49,785.59	127,357.64 158,718.68	400.00 54,278.67	27,266.86	20,088.81
14,947.62	7,793.69	20,521.88	113,714.58	20,031.89	12,915.01	13,875.90
8,570.45	5,555.81	16,329.76	88,123.51	13,399.76	7,694.29	8,980.68
4,975.32	1,980.84	2,573.89	53,597.42	2,684.44	2,071.48	1,676.64
89.68	99.42	1,523.78	7,690.86	3,059.81	85.18	207.58
...	...	...	65,319.94	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
56,919.75	35,182.96	91,334.90	697,445.59	93,854.57	50,032.82	45,631.61
15,133.00	6,296.75	9,661.33	179,411.44	10,061.45	3,354.39	11,412.58
41,786.75	28,886.21	81,673.57	518,034.15	83,793.12	46,678.43	34,219.03
393.85	3,944.34	3,758.38	64,140.14	10,662.89	641.82	969.20
...	4,500.00	10,000.00	12,000.00	...	...	3,500.00
632.01	204.33	611.06	17,673.53	1,842.63	163.53	619.65
...	...	5,046.56	5,907.48	2,354.70	...	58.03
...	...	...	1,247.25	...	...	...
12.00	561.13	...	...	...	28.00	116.23
6,811.85	...	...	...	...	...	...
49,636.46	38,096.01	101,089.57	619,002.55	98,653.34	47,511.78	39,482.24
23,166.89	28,299.87	44,376.38	557,463.26	3,319.19	36,925.13	39,444.08
72,803.35	66,395.88	145,465.95	1,176,465.81	101,972.53	84,436.91	78,926.32
6,770.42	6,746.96	...	1,372.37	38,000.00 262.71	...	412.73
4,108.81	...	...	8,763.19	1,287.71	125.55	146.30
285.00	95.00	1,428.45	...	...	...	...
11,164.23	6,841.96	1,428.45	10,135.56	39,550.42	125.55	559.03
23,166.89	28,299.87	44,376.38	557,463.26 2,532.89	3,319.19 352.29	36,925.13	39,444.08
23,166.89	28,299.87	44,376.38	559,996.15	3,671.48	36,925.13	39,444.08
12,368.03	8,000.00	25,000.00	174,869.92	1,000.00	21,000.00	9,000.00
26,104.20	23,254.05	74,661.12	431,464.18	57,750.63	26,386.23	29,923.21
...	...	...	...	...	...	...
38,472.23	31,254.05	99,661.12	606,334.10	58,750.63	47,386.23	38,923.21
72,803.35	66,395.88	145,465.95	1,176,465.81	101,972.53	84,436.91	78,926.32

**Municipal  
BALANCE  
as at**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Burgess- ville	Burk's Falls	Burlington	Caledonia	Campbell- ville
<b>ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Lands and buildings.....	...	...	24,655.45	810.04	...
Substation equipment.....	...	...	...	...	...
Distribution system, overhead....	7,380.52	32,973.36	216,989.58	39,111.71	6,384.25
Distribution system, underground..	...	...	...	...	...
Line transformers.....	6,005.70	15,011.07	97,934.39	27,369.18	3,455.44
Meters.....	2,015.64	5,070.61	63,523.91	16,036.98	1,448.38
Street light equipment, regular....	291.73	3,632.72	13,588.13	5,055.37	823.04
Miscellaneous construction expense	10.00	965.54	16,324.95	2,458.56	85.05
Steam or hydraulic plant.....	...	...	...	...	...
Old plant.....	...	5,448.48	...	...	...
Other capital assets.....	...	...	...	...	...
Total plant.....	15,703.59	63,101.78	433,016.41	90,841.84	12,196.16
Less reserve for depreciation.....	5,327.28	6,025.01	37,238.84	14,509.35	2,505.95
	10,376.31	57,076.77	395,777.57	76,332.49	9,690.21
Bank and cash balance.....	1,468.20	2,488.36	44,350.97	6,049.23	1,066.34
Securities and investments.....	1,500.00	...	38,100.00	200.00	3,600.00
Accounts receivable.....	94.95	517.09	1,790.33	898.25	50.87
Inventories.....	...	145.80	20,803.86	5,199.52	...
Sinking fund on local debentures..	...	...	...	...	...
Other assets.....	1,007.58	...	515.61	64.00	364.24
Frequency standardization expendi- ture in suspense.....	...	...	1,268.59	...	51.00
	14,447.04	60,228.02	502,606.93	88,743.49	14,822.66
Equity in H-E.P.C. systems.....	13,755.59	2,970.81	68,379.25	61,265.85	8,237.47
Total.....	28,202.63	63,198.83	570,986.18	150,009.34	23,060.13
<b>LIABILITIES</b>					
Debenture balance.....	...	25,273.14	159,464.29	7,500.00	...
Accounts payable.....	37.03	145.20	8,191.19	405.35	3,397.55
Bank overdraft.....	...	...	...	...	...
Other liabilities.....	5.00	45.00	14,104.04	775.69	...
Total liabilities.....	42.03	25,463.34	181,759.52	8,681.04	3,397.55
<b>RESERVES</b>					
For equity in H-E.P.C. systems...	13,755.59	2,970.81	68,379.25	61,265.85	8,237.47
Other reserves.....	...	100.00	...	355.20	...
	13,755.59	3,070.81	68,379.25	61,621.05	8,237.47
<b>SURPLUS</b>					
Debentures paid.....	3,500.00	9,726.86	101,035.71	8,124.00	5,447.77
Local sinking fund.....	...	...	...	...	...
Operating surplus.....	10,905.01	24,937.82	219,811.70	71,583.25	5,977.34
Net frequency standardization ex- pense charged this year.....	...	...	...	...	...
Total surplus.....	14,405.01	34,664.68	320,847.41	79,707.25	11,425.11
Total.....	28,202.63	63,198.83	570,986.18	150,009.34	23,060.13

## Electrical Utilities

## SHEETS

December 31, 1954

Cannington	Cardinal	Carleton Place	Casselman	Cayuga	Chatham	Chatsworth
\$	\$	\$	\$	\$	\$	\$
...	...	13,390.32	...	...	407,163.71	364.89
...	...	16,415.55	...	...	316,280.31	...
20,860.69	25,498.24	71,706.54	43,378.92	37,075.60	384,877.99	7,590.39
...	...	...	...	...	228,183.70	...
13,186.44	12,013.68	30,092.32	9,015.92	14,335.74	237,216.02	4,738.88
9,630.86	8,441.73	32,623.68	7,738.89	8,620.32	159,795.11	3,857.26
4,547.34	1,312.08	8,892.54	2,720.01	2,763.84	90,232.05	4,854.84
...	31.64	6,497.83	5,691.58	733.79	72,870.19	210.08
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
48,225.33	47,297.37	179,618.78	68,545.32	63,529.29	1,896,619.08	21,616.34
14,157.78	6,550.93	33,016.84	2,529.00	9,300.92	415,328.44	5,616.96
34,067.55	40,746.44	146,601.94	66,016.32	54,228.37	1,481,290.64	15,999.38
4,349.49	1,018.19	...	7,750.35	4,669.50	50.00	6,447.21
7,000.00	1,500.00	31,500.00	...	17,500.00	50,000.00	1,000.00
367.74	456.81	5,142.89	5,218.06	289.86	115,196.75	103.52
278.40	...	5,279.81	...	262.55	58,428.56	...
...	...	...	...	...	...	...
...	427.22	...	...	54.00	1,023.95	...
...	...	...	...	...	20,486.35	...
46,063.18	44,148.66	188,524.64	78,984.73	77,004.28	1,726,476.25	23,550.11
40,153.02	27,305.34	219,222.59	965.16	27,964.09	1,090,798.98	14,137.37
86,216.20	71,454.00	407,747.23	79,949.89	104,968.37	2,817,275.23	37,687.48
...	...	...	...	...	...	...
322.79	36.75	13.45	65,000.00	...	354,199.63	...
...	...	3,211.22	1,063.61	22.50	2,029.00	...
95.00	...	2,226.06	10.00	435.43	122,512.58	...
...	...	...	...	...	12,275.82	159.85
417.79	36.75	5,450.73	66,073.61	457.93	491,017.03	159.85
40,153.02	27,305.34	219,222.59	965.16	27,964.09	1,090,798.98	14,137.37
61.45	...	379.19	...	115.66	57,593.66	...
40,214.47	27,305.34	219,601.78	965.16	28,079.75	1,148,392.64	14,137.37
14,532.42	11,014.20	58,116.83	5,000.00	20,000.00	515,800.37	5,014.10
31,051.52	33,097.71	124,577.89	7,911.12	56,430.69	662,065.19	18,376.16
...	...	...	...	...	...	...
45,583.94	44,111.91	182,694.72	12,911.12	76,430.69	1,177,865.56	23,390.26
86,216.20	71,454.00	407,747.23	79,949.89	104,968.37	2,817,275.23	37,687.48

Municipal  
BALANCE

as at

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Chesley	Chester- ville	Chippawa	Clifford	Clinton
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....	6,000.00	3,360.25	1,434.46	...	10,164.94
Substation equipment.....	...	...	...	...	34,189.59
Distribution system, overhead....	42,177.87	17,672.80	33,584.08	14,069.03	50,821.70
Distribution system, underground..	...	...	...	...	...
Line transformers.....	21,168.51	10,334.17	14,891.70	6,460.93	32,381.19
Meters.....	15,507.20	9,772.77	13,796.94	4,964.58	22,062.81
Street light equipment, regular....	6,485.56	3,701.49	9,662.49	2,337.05	5,654.68
Miscellaneous construction expense	651.62	799.45	316.49	1,914.50	3,758.18
Steam or hydraulic plant.....	...	...	...	...	...
Old plant.....	...	...	...	...	...
Other capital assets.....	...	...	...	...	...
Total plant.....	91,990.76	45,641.23	73,686.16	29,746.09	159,033.09
Less reserve for depreciation.....	24,114.24	11,435.71	20,735.17	7,712.47	26,108.44
	67,876.52	34,205.52	52,950.99	22,033.62	132,924.65
Bank and cash balance.....	6,114.01	5,092.24	10,103.18	1,936.02	316.28
Securities and investments.....	6,000.00	10,000.00	4,500.00	1,000.00	...
Accounts receivable.....	305.96	1,933.06	689.50	41.52	727.30
Inventories.....	428.44	...	120.90	...	3,525.66
Sinking fund on local debentures..	...	...	...	...	...
Other assets.....	...	...	1.60	17.00	166.26
Frequency standardization expendi- ture in suspense.....	...	...	...	...	...
	80,724.93	51,230.82	68,366.17	25,028.16	137,660.15
Equity in H-E.P.C. systems.....	95,391.04	66,958.63	45,686.82	21,448.78	127,489.71
Total.....	176,115.97	118,189.45	114,052.99	46,476.94	265,149.86
LIABILITIES					
Debenture balance.....	...	...	...	...	30,500.00
Accounts payable.....	46.40	25.01	100.00	406.35	376.00
Bank overdraft.....	...	...	...	...	...
Other liabilities.....	...	41.00	1,040.00	5.00	2,341.00
Total liabilities.....	46.40	66.01	1,140.00	411.35	33,217.10
RESERVES					
For equity in H-E.P.C. systems...	95,391.04	66,958.63	45,686.82	21,448.78	127,489.71
Other reserves.....	...	...	...	...	1,368.96
	95,391.04	66,958.63	45,686.82	21,448.78	128,858.67
SURPLUS					
Debentures paid.....	24,410.34	5,889.32	13,350.00	8,000.00	49,000.00
Local sinking fund.....	...	...	...	...	...
Operating surplus.....	56,268.19	45,275.49	53,876.17	18,278.24	54,074.09
Net frequency standardization ex- pense charged this year.....	...	...	...	1,661.43	...
Total surplus.....	80,678.53	51,164.81	67,226.17	24,616.81	103,074.09
Total.....	176,115.97	118,189.45	114,052.99	46,476.94	265,149.86

## Electrical Utilities

## SHEETS

December 31, 1954

Cobden	Cobourg	Colborne	Coldwater	Collingwood	Comber	Cookstown
\$	\$	\$	\$	\$	\$	\$
...	32,227.73	...	275.00	20,235.07	498.22	70.00
...	1,668.35	...	...	23,179.35	...	...
24,914.16	212,296.64	20,430.56	20,962.62	122,548.05	19,065.11	22,684.96
8,770.97	83,811.54	7,905.25	11,254.57	67,076.38	11,825.76	5,437.05
6,759.81	68,257.28	8,786.81	7,163.10	56,009.52	5,602.48	5,258.74
5,638.10	47,724.47	4,217.33	4,390.93	28,145.47	1,392.47	1,563.85
50.49	13,242.84	3,047.94	119.46	5,770.57	411.52	172.33
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
46,133.53	459,228.85	44,387.89	44,165.68	322,964.41	38,795.56	35,186.93
1,848.33	103,524.77	5,537.40	8,509.31	66,941.20	6,693.16	4,102.37
44,285.20	355,704.08	38,850.49	35,656.37	256,023.21	32,102.40	31,084.56
13,818.79	200.00	3,287.39	2,142.99	28,310.23	2,454.59	8,025.13
...	20,000.00	5,000.00	8,500.00	11,000.00	...	...
118.72	18,490.64	2,556.26	1,010.43	3,175.35	474.39	14.00
...	20,830.70	7,886.56	...	10,706.30	108.00	...
...	...	...	...	...	...	...
...	3,941.83	...	150.00	3,123.51	...	...
...	...	...	...	...	...	...
58,222.71	419,167.25	57,580.70	47,459.79	312,338.60	35,139.38	39,123.69
12,088.08	205,610.13	21,336.28	34,429.95	366,544.81	42,398.36	15,379.24
70,310.79	624,777.38	78,916.98	81,889.74	678,883.41	77,537.74	54,502.93
757.91	51.19	701.95	1,784.43	119.53	4,169.08	946.44
...	3,820.35	...	...	...	...	...
73.50	8,729.20	574.00	195.37	4,850.42	103.31	256.25
831.41	12,600.74	1,275.95	1,979.80	4,969.95	4,272.39	1,202.69
12,088.08	205,610.13	21,336.28	34,429.95	366,544.81	42,398.36	15,379.24
...	...	...	146.00	500.00	25.38	...
12,088.08	205,610.13	21,336.28	34,575.95	367,044.81	42,423.74	15,379.24
4,949.42	105,993.50	12,194.59	6,867.47	38,183.42	8,530.92	12,000.85
52,441.88	300,573.01	44,110.16	38,466.52	268,685.23	22,310.69	25,920.15
...	...	...	...	...	...	...
57,391.30	406,566.51	56,304.75	45,333.99	306,868.65	30,841.61	37,921.00
70,310.79	624,777.38	78,916.98	81,889.74	678,883.41	77,537.74	54,502.93

**Municipal  
BALANCE  
as at**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Cottam	Court- right	Creemore	Dashwood	Delaware
<b>ASSETS</b>	\$	\$	\$	\$	\$
Lands and buildings.....	500.13	...	...	...	...
Substation equipment.....	19,494.59	11,459.98	13,809.87	5,902.95	9,513.43
Distribution system, overhead.....	7,749.70	4,420.19	7,416.77	6,500.17	3,089.95
Distribution system, underground.....	4,543.23	3,153.06	7,693.65	4,177.76	2,849.35
Line transformers.....	1,138.26	2,155.73	2,580.94	488.23	542.91
Meters.....	183.11	...	300.19	...	32.00
Street light equipment, regular.....	...	...	...	...	...
Miscellaneous construction expense	...	...	...	...	...
Steam or hydraulic plant.....	...	...	...	...	...
Old plant.....	...	...	...	...	...
Other capital assets.....	...	...	...	...	...
Total plant.....	33,609.02	21,188.96	31,801.42	17,069.11	16,027.64
Less reserve for depreciation.....	7,385.48	1,933.41	6,269.32	2,942.63	4,009.66
	26,223.54	19,255.55	25,532.10	14,126.48	12,017.98
Bank and cash balance.....	2,148.75	2,896.97	1,418.53	5,619.00	48.99
Securities and investments.....	3,000.00	...	10,000.00	...	...
Accounts receivable.....	67.99	377.99	426.49	129.58	217.45
Inventories.....	15.00	...	...	...	...
Sinking fund on local debentures..	...	...	...	...	...
Other assets.....	...	...	900.00	...	...
Frequency standardization expendi- ture in suspense.....	2,975.34	...	...	...	...
	34,430.62	22,530.51	38,277.12	19,875.06	12,284.42
Equity in H-E.P.C. systems.....	13,866.12	14,463.28	29,966.58	22,738.41	10,702.25
Total.....	48,296.74	36,993.79	68,243.70	42,613.47	22,986.67
<b>LIABILITIES</b>					
Debenture balance.....	4,750.00	...	...	...	...
Accounts payable.....	58.75	266.00	...	...	...
Bank overdraft.....	...	...	...	...	...
Other liabilities.....	166.59	351.64	366.00	...	50.00
Total liabilities.....	4,975.34	617.64	366.00	...	50.00
<b>RESERVES</b>					
For equity in H-E.P.C. systems...	13,866.12	14,463.28	29,966.58	22,738.41	10,702.25
Other reserves.....	400.45	5.24	143.73	...	22.53
	14,266.57	14,468.52	30,110.31	22,738.41	10,724.78
<b>SURPLUS</b>					
Debentures paid.....	9,250.22	8,138.35	2,823.61	3,400.00	4,000.00
Local sinking fund.....	19,804.61	13,769.28	34,943.78	16,475.06	8,211.89
Operating surplus.....	...	...	...	...	...
Net frequency standardization ex- pense charged this year.....	...	...	...	...	...
Total surplus.....	29,054.83	21,907.63	37,767.39	19,875.06	12,211.89
Total.....	48,296.74	36,993.79	68,243.70	42,613.47	22,986.67

## Electrical Utilities

## SHEETS

December 31, 1954

Delhi	Deseronto	Dorchester	Drayton	Dresden	Drumbo	Dublin
\$	\$	\$	\$	\$	\$	\$
3,286.04	1,322.41	...	...	34,244.94	...	...
...	161.18	...	...	2,993.74	...	...
67,542.94	35,156.09	17,514.37	14,337.01	48,093.42	11,229.60	10,363.97
...	...	...	...	592.60	...	...
47,804.34	28,703.97	9,800.16	9,658.84	20,340.26	6,109.63	6,018.62
28,225.41	12,115.61	7,258.70	7,558.51	18,871.47	3,622.46	3,010.17
10,198.05	5,677.27	3,709.85	2,178.59	2,715.45	505.64	794.56
8,294.90	4,561.25	80.45	470.36	4,042.96	...	...
...	...	...	...	...	...	...
28,518.74	...	...	...	...	...	...
...	...	...	...	...	...	...
193,870.42	87,697.78	38,363.53	34,203.31	131,894.84	21,467.33	20,187.32
29,848.91	18,828.07	7,557.36	9,022.84	9,107.54	7,995.95	5,345.98
164,021.51	68,869.71	30,806.17	25,180.47	122,787.30	13,471.38	14,841.34
1,943.25	3,947.48	2,454.69	3,979.51	75.00	3,554.06	1,687.89
28,500.00	6,000.00	1,500.00	6,000.00	1,000.00	6,500.00	1,300.00
6,012.05	3,506.76	190.88	401.51	4,380.51	806.48	67.49
9,790.64	9,743.02	8.50	...	9,764.79	17.84	...
...	...	...	...	...	...	...
80.17	...	...	32.50	943.24	...	...
...	...	...	...	...	...	...
5.35	...	...	...	...	78.00	...
210,352.97	92,066.97	34,960.24	35,593.99	138,950.84	24,427.76	17,896.72
43,698.63	28,794.06	20,557.27	32,434.19	87,181.19	18,128.96	13,719.19
254,051.60	120,861.03	55,517.51	68,028.18	226,132.03	42,556.72	31,615.91
25,937.76	...	2,909.28	...	26,086.08	...	...
420.20	966.71	...	239.06	636.11	...	...
...	...	...	...	970.71	...	...
2,651.80	843.15	28.22	25.00	1,021.00	85.00	5.00
29,009.76	1,809.86	2,937.50	264.06	28,713.90	191.46	784.97
43,698.63	28,794.06	20,557.27	32,434.19	87,181.19	18,128.96	13,719.19
...	...	...	...	1,240.02	...	...
43,698.63	28,794.06	20,557.27	32,434.19	88,421.21	18,128.96	13,719.19
59,062.24	15,000.00	4,390.72	9,500.00	15,337.16	4,500.00	6,200.00
122,280.97	75,257.11	27,632.02	27,528.13	94,533.60	19,736.30	10,911.75
...	...	...	1,698.20	873.84	...	...
181,343.21	90,257.11	32,022.74	35,329.93	108,996.92	24,236.30	17,111.75
254,051.60	120,861.03	55,517.51	68,028.18	226,132.03	42,556.72	31,615.91

**Municipal  
BALANCE  
as at**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Dundalk	Dundas	Dunnville	Durham	Dutton
<b>ASSETS</b>	\$	\$	\$	\$	\$
Lands and buildings.....	2,542.33	22,320.66	7,323.56	211.28	75.11
Substation equipment.....		38,830.02	69,885.73		
Distribution system, overhead....	17,743.69	144,247.56	73,593.91	43,153.50	15,371.88
Distribution system, underground.			4,398.59		
Line transformers.....	9,307.09	70,053.67	43,942.94	24,486.26	8,885.10
Meters.....	6,666.37	62,477.42	41,182.96	15,128.74	5,244.14
Street light equipment, regular....	2,873.05	19,228.34	14,284.71	4,584.31	2,261.20
Miscellaneous construction expense	408.11	8,338.14	6,793.75	2,161.34	318.40
Steam or hydraulic plant.....	...	...	...	...	...
Old plant.....	...	...	...	...	...
Other capital assets.....	...	...	...	...	...
Total plant.....	39,540.64	365,495.81	261,406.15	89,725.43	32,515.83
Less reserve for depreciation.....	7,906.88	112,568.61	70,620.01	14,611.79	12,485.25
	31,633.76	252,927.20	190,786.14	75,113.64	20,030.58
Bank and cash balance.....	1,968.57	1,438.92	6,100.30	4,367.79	2,536.64
Securities and investments.....	6,500.00	9,000.00	20,000.00	6,000.00	7,000.00
Accounts receivable.....	152.18	2,691.82	7,285.04	1,047.43	341.10
Inventories.....	...	4,283.30	12,892.24	1,045.67	...
Sinking fund on local debentures..	...	...	...	...	...
Other assets.....	...	647.89	571.10	...	...
Frequency standardization expenditure in suspense.....	...	1,224.77	...	...	...
	40,254.51	272,213.90	237,634.82	87,574.53	29,908.32
Equity in H-E.P.C. systems.....	35,147.01	378,135.19	183,019.30	77,911.56	48,294.88
Total.....	75,401.52	650,349.09	420,654.12	165,486.09	78,203.20
<b>LIABILITIES</b>					
Debenture balance.....	...	...	45,000.00	...	...
Accounts payable.....	97.00	39,370.16	6,288.53	23.41	1,521.37
Bank overdraft.....	...	1,626.78	...	...	...
Other liabilities.....	100.00	7,598.22	4,817.13	511.00	187.36
Total liabilities.....	197.00	48,595.16	56,105.66	534.41	1,708.73
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	35,147.01	378,135.19	183,019.30	77,911.56	48,294.88
Other reserves.....	...	55.96	...	...	26.75
	35,147.01	378,191.15	183,019.30	77,911.56	48,321.63
<b>SURPLUS</b>					
Debentures paid.....	5,727.27	53,000.00	75,500.00	25,323.97	8,407.49
Local sinking fund.....	...	...	...	...	...
Operating surplus.....	34,330.24	170,562.78	106,029.16	61,716.15	19,765.35
Net frequency standardization expense charged this year.....	...	...	...	...	...
Total surplus.....	40,057.51	223,562.78	181,529.16	87,040.12	28,172.84
Total.....	75,401.52	650,349.09	420,654.12	165,486.09	78,203.20

## Electrical Utilities

## SHEETS

December 31, 1954

East York Twp.	Eganville	Elmira	Elmvale	Elmwood	Elora	Embro
\$	\$	\$	\$	\$	\$	\$
187,304.69	8,758.00	44,250.58	156.25	1,709.66	5,075.53	...
404,188.79		44,580.13	2,273.07			...
977,013.31	19,409.16	87,603.23	23,431.96	8,579.66	31,982.27	16,469.46
		490.20				
589,928.25	7,974.04	42,828.39	14,859.50	3,811.42	18,201.53	11,662.92
393,996.83	8,518.49	26,604.36	9,505.23	3,525.08	11,148.71	4,161.55
150,753.36	1,601.70	5,876.67	6,509.05	1,295.00	2,790.13	705.53
65,710.67	2,817.46	4,489.95	...	211.50	1,068.78	230.32
...	78,122.91	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
2,768,895.90	127,201.76	256,723.51	56,735.06	19,132.32	70,266.95	33,229.78
301,531.62	21,798.37	47,507.13	10,231.33	4,164.53	22,034.39	9,227.71
2,467,364.28	105,403.39	209,216.38	46,503.73	14,967.79	48,232.56	24,002.07
99,976.32	8,546.23	5,471.86	3,087.88	3,741.55	2,866.04	3,761.41
	5,000.00		1,500.00	5,200.00	7,500.00	6,000.00
110,424.38	290.23	3,606.53	187.37	67.56	326.45	312.39
23,336.85	1,230.23	...	...	...	224.41	...
	...		...	...	...	...
150.00	...	1,148.94	...	...	...	466.00
...	...	21,470.63	...	...	...	75.25
2,701,251.83	120,470.08	240,914.34	51,278.98	23,976.90	59,149.46	34,617.12
1,048,166.70	513.61	207,728.48	37,560.98	12,457.94	93,194.32	28,930.46
3,749,418.53	120,983.69	448,642.82	88,839.96	36,434.84	152,343.78	63,547.58
611,000.00	72,551.23					
231,554.48	...	14,880.37	1,638.24	209.15	8.05	2,035.43
	...		...	...	...	...
17,423.72	...	1,314.05	...	85.00	345.00	80.38
859,978.20	72,551.23	16,194.42	1,638.24	294.15	353.05	2,115.81
1,048,166.70	513.61	207,728.48	37,560.98	12,457.94	93,194.32	28,930.46
9,377.14	...	...	78.68	...	...	...
1,057,543.84	513.61	207,728.48	37,639.66	12,457.94	93,194.32	28,930.46
468,763.36	27,448.77	37,168.50	6,544.07	6,106.38	13,000.00	7,500.00
1,363,133.13	20,470.08	187,551.42	43,017.99	17,576.37	45,796.41	25,001.31
...	...	...	...	...	...	...
1,831,896.49	47,918.85	224,719.92	49,562.06	23,682.75	58,796.41	32,501.31
3,749,418.53	120,983.69	448,642.82	88,839.96	36,434.84	152,343.78	63,547.58

**Municipal  
BALANCE  
as at**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Erieau	Erie Beach	Erin	Essex	Etobicoke Twp.
	\$	\$	\$	\$	\$
<b>ASSETS</b>					
Lands and buildings.....	...	...	...	12,196.49	473,377.84
Substation equipment.....	...	...	...	902,468.04	902,468.04
Distribution system, overhead.....	33,897.92	5,284.86	22,721.49	79,839.62	2,184,990.79
Distribution system, underground.....	...	...	...	442.55	...
Line transformers.....	18,763.82	2,849.82	6,204.08	39,667.97	934,401.54
Meters.....	6,952.97	1,698.71	3,911.54	26,125.15	678,028.35
Street light equipment, regular.....	961.55	306.37	1,641.72	3,931.48	233,764.84
Miscellaneous construction expense.....	...	...	748.18	3,682.32	249,111.61
Steam or hydraulic plant.....	...	...	...	...	...
Old plant.....	...	...	...	...	...
Other capital assets.....	...	...	...	...	...
Total plant.....	60,576.26	10,139.76	35,227.01	165,885.58	5,656,143.01
Less reserve for depreciation.....	5,155.77	1,001.56	2,914.12	43,560.82	369,695.75
	55,420.49	9,138.20	32,312.89	122,324.76	5,286,447.26
Bank and cash balance.....	2,347.45	2,130.39	5,664.70	7,211.08	41,690.22
Securities and investments.....	...	...	...	...	37,000.00
Accounts receivable.....	211.51	74.11	305.96	1,900.38	58,286.77
Inventories.....	...	...	...	6,417.19	73,242.45
Sinking fund on local debentures.....	...	...	...	...	...
Other assets.....	886.60	...	...	75.06	4,900.12
Frequency standardization expenditure in suspense.....	...	...	...	10,251.17	...
	58,866.05	11,342.70	38,283.55	148,179.64	5,501,566.82
Equity in H-E.P.C. systems.....	22,467.86	4,451.16	2,925.66	93,275.17	1,055,391.77
Total.....	81,333.91	15,793.86	41,209.21	241,454.81	6,556,958.59
<b>LIABILITIES</b>					
Debenture balance.....	...	...	10,150.00	15,000.00	3,630,100.00
Accounts payable.....	6,700.00	...	45.37	66.36	3,846.21
Bank overdraft.....	...	...	...	...	119,063.61
Other liabilities.....	100.00	172.50	315.00	955.00	77,740.22
Total liabilities.....	6,800.00	172.50	10,510.37	16,021.36	3,830,750.04
<b>RESERVES</b>					
For equity in H-E.P.C. systems...	22,467.86	4,451.16	2,925.66	93,275.17	1,055,391.77
Other reserves.....	19.23	18.90	...	1,234.70	3,438.56
	22,487.09	4,470.06	2,925.66	94,509.87	1,058,830.33
<b>SURPLUS</b>					
Debentures paid.....	6,883.13	3,300.00	4,350.00	22,500.00	555,595.40
Local sinking fund.....	...	...	...	...	...
Operating surplus.....	45,163.69	7,851.30	23,423.18	108,423.58	1,111,782.82
Net frequency standardization expense charged this year.....	...	...	...	...	...
Total surplus.....	52,046.82	11,151.30	27,773.18	130,923.58	1,667,378.22
Total.....	81,333.91	15,793.86	41,209.21	241,454.81	6,556,958.59

## Electrical Utilities

## SHEETS

December 31, 1954

Exeter	Fergus	Finch	Flesherton	Fonthill	Forest	Forest Hill
\$	\$	\$	\$	\$	\$	\$
9,954.19	2,478.87	...	430.00	...	6,576.61	53,849.33
69,248.01	27,539.89	...	...	...	...	220,517.61
	64,211.88	14,460.13	13,733.63	38,383.21	31,642.10	311,944.59
36,911.03	40,939.19	6,928.42	8,786.74	26,963.18	23,798.02	16,266.73
24,012.48	26,086.41	4,301.99	5,124.02	15,624.98	18,352.69	256,827.90
6,065.14	10,865.41	2,232.46	1,880.66	6,352.89	7,489.45	118,314.14
2,573.57	1,251.31	293.44	316.01	6,451.86	5,701.64	17,897.71
...	...	...	...	...	...	25,340.69
...	...	...	...	...	...	...
...	...	...	...	...	...	...
148,764.42	173,372.96	28,216.44	30,271.06	93,776.12	93,560.51	1,020,958.70
38,680.48	31,450.17	4,551.02	6,206.97	11,191.34	31,685.58	306,201.77
110,083.94	141,922.79	23,665.42	24,064.09	82,584.78	61,874.93	714,756.93
7,193.76	5,402.36	5,258.14	2,765.06	8,928.28	9,018.39	518.33
1,364.95	2,369.45	6,000.00	11,000.00	...	36,510.00	74,000.00
2,915.00	736.48	291.44	102.54	696.54	237.18	13,710.42
		...	...	33.50	1,636.92	25,258.88
1,247.56	173.17	...	...	...	158.36	...
...	240.00	...	...	...	...	114,639.11
122,805.21	150,844.25	35,215.00	37,932.03	92,243.10	109,435.78	942,883.67
122,269.60	188,028.15	13,853.25	16,455.26	25,393.51	96,659.13	608,816.28
245,074.81	338,872.40	49,068.25	54,387.29	117,636.61	206,094.91	1,551,699.95
239.00	50.18	...	...	35,250.00	...	65,847.22
1,851.07	1,279.96	160.95	127.00	1,129.30	1,583.28	2,178.07
2,090.07	1,330.14	160.95	127.00	36,379.30	163.36	29,301.21
					1,746.64	97,326.50
122,269.60	188,028.15	13,853.25	16,455.26	25,393.51	96,659.13	608,816.28
60.16	177.40	...	...	...	...	459.52
122,329.76	188,205.55	13,853.25	16,455.26	25,393.51	96,659.13	609,275.80
20,000.05	42,000.00	7,000.00	5,830.88	26,250.00	23,357.13	296,934.38
100,654.93	107,336.71	28,054.05	31,974.15	29,613.80	84,332.01	548,163.27
...	...	...	...	...	...	...
120,654.98	149,336.71	35,054.05	37,805.03	55,863.80	107,689.14	845,097.65
245,074.81	338,872.40	49,068.25	54,387.29	117,636.61	206,094.91	1,551,699.95

**Municipal  
BALANCE  
as at**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Frankford	Galt	George- town	Glencoe	Goderich
<b>ASSETS</b>	\$	\$	\$	\$	\$
Lands and buildings.....	...	289,275.03	10,913.15	3,587.66	81,852.02
Substation equipment.....	...	420,839.83	18,491.00	...	74,415.04
Distribution system, overhead.....	32,434.22	519,613.49	98,256.09	33,911.22	131,331.26
Distribution system, underground.....	...	4,236.95	...	...	...
Line transformers.....	8,998.97	290,884.56	60,676.42	17,315.95	72,107.07
Meters.....	8,465.36	189,573.18	39,451.78	10,011.67	52,570.02
Street light equipment, regular.....	5,054.19	115,464.79	11,868.21	6,666.62	15,842.68
Miscellaneous construction expense.....	...	41,187.42	1,556.19	1,485.08	17,946.36
Steam or hydraulic plant.....	...	...	...	...	...
Old plant.....	...	...	...	...	...
Other capital assets.....	...	25,314.00	...	...	...
Total plant.....	54,952.74	1,896,389.25	238,100.46	72,978.20	446,064.45
Less reserve for depreciation.....	6,397.38	587,456.58	48,544.06	18,613.19	109,123.70
	48,555.36	1,308,932.67	189,556.40	54,365.01	336,940.75
Bank and cash balance.....	14,871.05	350.00	50.00	8,514.23	35,707.01
Securities and investments.....	...	50,000.00	5,000.00	10,100.00	36,500.00
Accounts receivable.....	364.91	38,646.16	103,393.73	1,105.44	8,166.39
Inventories.....	...	71,769.12	17,439.03	980.31	3,889.80
Sinking fund on local debentures.....	...	...	...	...	...
Other assets.....	...	11,611.99	169.16	244.61	247.35
Frequency standardization expenditure in suspense.....	...	124,093.42	29,221.17	...	...
Equity in H-E.P.C. systems.....	63,791.32 4,607.32	1,605,403.36 1,481,280.76	344,829.49 291,316.00	75,309.60 51,306.82	421,451.30 322,870.60
Total.....	68,398.64	3,086,684.12	636,145.49	126,616.42	744,321.90
<b>LIABILITIES</b>					
Debenture balance.....	10,000.00	268,500.00	110,000.00	...	112,000.00
Accounts payable.....	948.43	37,504.13	9,853.25	128.00	434.82
Bank overdraft.....	...	33,200.16	31,586.96	...	...
Other liabilities.....	690.00	13,032.58	8,979.37	472.00	6,903.91
Total liabilities.....	11,638.43	352,236.87	160,419.58	600.00	119,338.73
<b>RESERVES</b>					
For equity in H-E.P.C. systems.....	4,607.32	1,481,280.76	291,316.00	51,306.82	322,870.60
Other reserves.....	...	27,699.15	985.64	351.64	604.01
	4,607.32	1,508,979.91	292,301.64	51,658.46	323,474.61
<b>SURPLUS</b>					
Debentures paid.....	10,000.00	549,501.95	20,000.00	20,112.88	109,088.05
Local sinking fund.....	...	...	...	...	...
Operating surplus.....	42,152.89	675,965.39	163,424.27	54,245.08	192,420.51
Net frequency standardization expense charged this year.....	...	...	...	...	...
Total surplus.....	52,152.89	1,225,467.34	183,424.27	74,357.96	301,508.56
Total.....	68,398.64	3,086,684.12	636,145.49	126,616.42	744,321.90

## Electrical Utilities

## SHEETS

December 31, 1954

Grand Bend	Grand Valley	Granton	Gravenhurst	Grimsby	Guelph	Hagersville
\$	\$	\$	\$	\$	\$	\$
...	36.50	...	15,684.91	...	28,818.87	2,700.00
			10,458.03		370,999.39	864.37
38,040.37	17,745.78	6,102.00	57,112.61	74,307.80	613,961.73	31,190.08
			1,941.77		28,847.47	
28,277.00	8,261.65	3,578.36	32,543.86	35,828.03	258,093.08	26,179.68
23,648.96	6,379.09	3,047.75	30,950.29	26,420.38	237,808.34	17,215.13
2,285.75	1,117.46	180.78	13,181.99	8,671.74	105,957.69	1,439.69
8,951.22	144.72	41.40	2,206.32	...	44,062.79	1,179.49
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	62,900.00	...
101,203.30	33,685.20	12,950.29	164,079.78	145,227.95	1,751,449.36	80,768.44
21,804.00	12,837.82	1,731.11	40,545.17	22,139.09	442,651.51	26,531.99
79,399.30	20,847.38	11,219.18	123,534.61	123,088.86	1,308,797.85	54,236.45
9,243.47	5,255.35	2,110.01	11,473.57	768.55	48,892.95	10,502.38
	8,000.00	...	14,000.00	17,000.00	...	35,000.00
2,750.14	463.88	78.52	1,003.15	1,336.60	11,182.44	1,085.09
...	...	...	4,141.53	20.16	58,156.77	38.40
...	...	...	...	...	...	...
...	...	1,157.85	201.93	1,856.00	1,373.42	11.26
...	...	...	...	886.00	15,636.40	...
91,392.91	34,566.61	14,565.56	154,354.79	144,956.17	1,444,039.83	100,873.58
...	32,564.44	18,492.35	107,134.90	43,961.74	1,725,668.77	185,787.07
91,392.91	67,131.05	33,057.91	261,489.69	188,917.91	3,169,708.60	286,660.65
85,000.00	...	2,298.23	...	...	303,000.00	...
1,665.06	1,397.59	761.58	43.12	1,024.13	75,275.26	10.66
...	...	...	1,360.19	2,506.16	19,002.00	880.00
...	...	20.00	...	...	...	...
86,665.06	1,397.59	3,079.81	1,403.31	3,530.29	397,277.26	890.66
...	32,564.44	18,492.35	107,134.90	43,961.74	1,725,668.77	185,787.07
3,410.31	...	57.80	421.00	...	19,699.86	...
3,410.31	32,564.44	18,550.15	107,555.90	43,961.74	1,745,368.63	185,787.07
...	10,794.30	4,345.35	44,278.97	85,344.00	192,000.00	8,000.00
1,317.54	22,374.72	7,082.60	108,251.51	56,081.88	835,062.71	91,982.92
...	...	...	...	...	...	...
1,317.54	33,169.02	11,427.95	152,530.48	141,425.88	1,027,062.71	99,982.92
91,392.91	67,131.05	33,057.91	261,489.69	188,917.91	3,169,708.60	286,660.65

**Municipal  
BALANCE  
as at**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Hamilton	Hanover	Harriston	Harrow
	\$	\$	\$	\$
<b>ASSETS</b>				
Lands and buildings.....	2,464,524.47	27,800.95	395.25	2,318.16
Substation equipment.....	4,345,868.25	3,511.19	25.00	
Distribution system, overhead.....	2,666,698.51	81,406.42	44,729.01	51,654.56
Distribution system, underground.....	1,740,942.97			
Line transformers.....	2,328,292.94	41,964.11	23,292.14	34,899.38
Meters.....	1,551,934.20	31,243.65	15,145.41	15,748.67
Street light equipment, regular.....	716,271.55	13,906.88	8,170.72	5,215.86
Miscellaneous construction expense.....	177,536.68	7,279.55	5,998.20	969.63
Steam or hydraulic plant.....	...	...	...	...
Old plant.....	...	...	...	...
Other capital assets.....	...	...	...	...
Total plant.....	15,992,069.57	207,112.75	97,755.73	110,806.26
Less reserve for depreciation.....	2,029,525.41	84,841.71	20,158.87	27,679.47
	13,962,544.16	122,271.04	77,596.86	83,126.79
Bank and cash balance.....	475,249.17	23,614.01	9,214.23	893.78
Securities and investments.....		107,652.18		5,000.00
Accounts receivable.....	967,879.80	300.15	1,277.63	2,033.24
Inventories.....	711,405.19	527.28	491.33	4,930.07
Sinking fund on local debentures.....				
Other assets.....	423,025.18	1,053.44	17.50	17.79
Frequency standardization expenditure in suspense.....	27,328.58	...	...	4,329.72
	16,567,432.08	255,418.10	88,597.55	100,331.39
Equity in H-E.P.C. systems.....	16,235,437.04	214,751.12	91,860.33	80,795.60
Total.....	32,802,869.12	470,169.22	180,457.88	181,126.99
<b>LIABILITIES</b>				
Debenture balance.....	1,452,000.00	...	5,000.00	...
Accounts payable.....	833,634.31	...	30.76	2,000.00
Bank overdraft.....				
Other liabilities.....	60,104.48	1,583.09	552.26	890.00
Total liabilities.....	2,345,738.79	1,583.09	5,583.02	2,890.00
<b>RESERVES</b>				
For equity in H-E.P.C. systems.....	16,235,437.04	214,751.12	91,860.33	80,795.60
Other reserves.....	234,187.81	...	406.20	97.62
	16,469,624.85	214,751.12	92,266.53	80,893.22
<b>SURPLUS</b>				
Debentures paid.....	6,233,275.19	80,162.29	25,818.03	12,000.00
Local sinking fund.....				
Operating surplus.....	7,911,363.32	173,672.72	63,080.95	85,343.77
Net frequency standardization expense charged this year.....	157,133.03	...	6,290.65	...
Total surplus.....	13,987,505.48	253,835.01	82,608.33	97,343.77
Total.....	32,802,869.12	470,169.22	180,457.88	181,126.99

## Electrical Utilities

## SHEETS

December 31, 1954

Hastings	Havelock	Hawkesbury	Hensall	Hespeler	Highgate	Holstein
\$	\$	\$	\$	\$	\$	\$
...	...	...	...	17,754.75	...	...
29,293.33	39,368.14	1,170.67	31,226.42	61,830.62	...	...
11,481.86	11,529.48	48.24	26,439.21	74,741.45	11,260.71	5,296.34
8,912.89	10,425.69	1,617.28	10,231.53	56,225.09	5,057.71	2,504.43
1,959.22	6,627.21	445.66	3,616.77	27,160.10	3,143.65	1,861.78
...	464.45	1,132.82	279.04	19,828.13	3,001.38	1,100.04
...	...	...	...	9,926.11	...	24.40
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	*304,015.20	...	...	...	...
51,647.30	68,414.97	308,429.87	71,792.97	267,466.25	22,463.45	10,786.99
14,800.64	12,203.21	52,283.20	15,892.70	39,425.85	7,952.75	1,936.00
36,846.66	56,211.76	256,146.67	55,900.27	228,040.40	14,510.70	8,850.99
924.77	2,542.86	286,297.39	743.50	60,535.00	492.85	2,448.72
7,000.00	18,000.00	...	2,000.00	...	3,000.00	1,000.00
1,095.02	2,487.89	37,489.78	950.25	42,297.19	357.24	5.40
...	...	...	...	698.64	...	...
...	...	...	...	...	...	...
368.00	730.40	...	10.00	903.02	615.70	...
...	...	...	...	2,397.50	...	...
46,234.45	79,972.91	579,933.84	59,604.02	334,871.75	18,976.49	12,305.11
14,394.88	32,149.00	...	44,968.53	336,998.13	23,023.54	6,719.08
60,629.33	112,121.91	579,933.84	104,572.55	671,869.88	42,000.03	19,024.19
...	25,500.00	285,000.00	...	...	...	...
668.91	570.33	277,987.54	22.96	3,943.10	...	80.84
664.47	215.00	80.00	155.00	2,150.00	109.00	42.60
1,333.38	26,285.33	563,067.54	177.96	6,093.10	109.00	123.44
14,394.88	32,149.00	...	44,968.53	336,998.13	23,023.54	6,719.08
...	...	3,720.83	...	105.17	...	...
14,394.88	32,149.00	3,720.83	44,968.53	337,103.30	23,023.54	6,719.08
21,000.00	37,400.00	...	12,000.00	77,570.51	5,000.00	2,762.05
23,901.07	16,287.58	13,145.47	47,426.06	251,102.97	13,867.49	9,419.62
...	...	...	...	...	...	...
44,901.07	53,687.58	13,145.47	59,426.06	328,673.48	18,867.49	12,181.67
60,629.33	112,121.91	579,933.84	104,572.55	671,869.88	42,000.03	19,024.19

\* Plant purchased not distributed.

**Municipal  
BALANCE  
as at**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Huntsville	Ingersoll	Iroquois	Jarvis	Kemptville
	\$	\$	\$	\$	\$
<b>ASSETS</b>					
Lands and buildings.....	353.52	30,330.70	281.20	...	5,466.98
Substation equipment.....	7,312.38	106,311.71			
Distribution system, overhead.....	49,375.24	101,625.17	15,273.06	32,339.37	32,655.09
Distribution system, underground.....					
Line transformers.....	39,765.56	79,894.44	8,048.24	9,336.19	23,255.23
Meters.....	28,261.53	55,737.58	7,161.79	5,348.46	16,769.27
Street light equipment, regular.....	12,204.86	10,701.82	2,888.66	1,097.57	1,415.14
Miscellaneous construction expense	2,177.31	10,354.99	185.64	78.08	1,622.83
Steam or hydraulic plant.....	...	...	...	...	...
Old plant.....	...	...	...	...	...
Other capital assets.....	...	...	...	...	...
Total plant.....	139,450.40	394,956.41	33,838.59	48,199.67	81,184.54
Less reserve for depreciation.....	23,513.73	65,405.69	7,602.50	9,778.07	17,727.02
	115,936.67	329,550.72	26,236.09	38,421.60	63,457.52
Bank and cash balance.....	7,055.38	12,726.99	3,800.66	5,030.64	7,147.56
Securities and investments.....			8,000.00		12,000.00
Accounts receivable.....	3,240.77	5,126.06	1,443.32	129.94	2,552.45
Inventories.....	8,030.46	8,886.71	1,112.36	...	8,507.46
Sinking fund on local debentures.....			...	...	...
Other assets.....	6,915.80	333.64	...	...	...
Frequency standardization expenditure in suspense.....	...	749.00	...	...	...
	141,179.08	357,373.12	40,592.43	43,582.18	93,664.99
Equity in H-E.P.C. systems.....	171,269.62	481,124.79	15,179.40	37,878.81	61,287.51
Total.....	312,448.70	838,497.91	55,771.83	81,460.99	154,952.50
<b>LIABILITIES</b>					
Debenture balance.....		71,808.82			
Accounts payable.....	23.00	...	238.75	307.13	294.87
Bank overdraft.....				...	589.48
Other liabilities.....	1,373.51	4,618.35	927.64	...	...
Total liabilities.....	1,396.51	76,427.17	1,166.39	307.13	884.35
<b>RESERVES</b>					
For equity in H-E.P.C. systems.....	171,269.62	481,124.79	15,179.40	37,878.81	61,287.51
Other reserves.....	129.14	20.08	...	...	669.00
	171,398.76	481,144.87	15,179.40	37,878.81	61,956.51
<b>SURPLUS</b>					
Debentures paid.....	15,697.39	87,991.18	...	10,500.00	19,506.62
Local sinking fund.....					
Operating surplus.....	123,956.04	192,934.69	39,426.04	32,775.05	72,605.02
Net frequency standardization expense charged this year.....	...	...	...	...	...
Total surplus.....	139,653.43	280,925.87	39,426.04	43,275.05	92,111.64
Total.....	312,448.70	838,497.91	55,771.83	81,460.99	154,952.50

## Electrical Utilities

## SHEETS

December 31, 1954

Kincardine	Kingston	Kingsville	Kirkfield	Kitchener	Lakefield	Lambeth
\$	\$	\$	\$	\$	\$	\$
7,117.32	435,109.52	8,730.87	...	430,955.12	7,984.85	...
12,432.39	576,214.47	...	...	1,485,566.40	...	...
69,890.01	571,876.91	68,841.67	8,320.13	1,149,237.06	43,385.64	33,713.88
...	403,455.69	...	...	407,150.02	...	...
36,745.53	317,472.84	33,417.32	2,409.11	701,966.24	20,911.86	16,055.08
23,324.05	293,395.32	27,302.28	1,595.03	464,283.60	17,178.50	10,713.53
14,076.19	138,446.00	2,464.56	476.81	172,140.09	4,328.03	2,711.73
6,979.82	13,857.87	730.40	...	119,164.45	2,533.88	17.00
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	199,293.00	...	...
170,565.31	2,749,828.62	141,487.10	12,801.08	5,129,755.98	96,322.76	63,211.22
36,056.43	805,204.66	39,503.15	4,199.36	765,254.91	25,154.05	12,116.98
134,508.88	1,944,623.96	101,983.95	8,601.72	4,364,501.07	71,168.71	51,094.24
1,791.61	31,355.85	9,554.65	2,868.95	375.00	19,140.71	3,342.84
32,000.00	180,000.00	8,500.00	3,000.00	...	30,000.00	...
2,227.90	210,639.92	2,676.00	146.09	429,401.07	762.79	1,526.14
154.99	67,435.12	2,289.20	...	204,314.74	3,141.86	...
...	...	...	...	...	...	...
...	89,419.15	200.00	134.00	1,658.84	...	...
...	...	17,343.37	...	312,384.00	...	...
170,683.38	2,523,474.00	142,547.17	14,750.76	5,312,634.72	124,214.07	55,963.22
122,848.69	783,168.04	113,425.74	7,873.69	3,557,020.68	46,202.57	28,605.28
293,532.07	3,306,642.04	255,972.91	22,624.45	8,869,655.40	170,416.64	84,568.50
...	...	...	...	1,406,200.00	...	22,568.27
11.77	197,193.97	6,499.48	44.48	352,886.12	226.19	127.38
...	...	...	...	81,512.65	...	...
749.32	25,729.67	2,819.75	...	21,151.65	424.53	477.00
761.09	222,923.64	9,319.23	44.48	1,861,750.42	650.72	23,172.65
122,848.69	783,168.04	113,425.74	7,873.69	3,557,020.68	46,202.57	28,605.28
39.62	104,580.83	661.25	200.00	65,956.24	...	...
122,888.31	887,748.87	114,086.99	8,073.69	3,622,976.92	46,202.57	28,605.28
60,000.00	274,339.08	33,500.00	5,765.89	930,950.00	33,500.00	9,931.73
109,882.67	1,921,630.45	103,624.22	8,740.39	2,453,978.06	90,063.35	22,858.84
...	...	4,557.53	...	...	...	...
169,882.67	2,195,969.53	132,566.69	14,506.28	3,384,928.06	123,563.35	32,790.57
293,532.07	3,306,642.04	255,972.91	22,624.45	8,869,655.40	170,416.64	84,568.50

**Municipal  
BALANCE  
as at**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Lanark	Lancaster	La Salle	Leaming- ton	Lindsay
<b>ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Lands and buildings.....	...	...	2,458.61	36,105.25	70,552.66
Substation equipment.....	...	...	...	8,288.84	156,011.26
Distribution system, overhead....	15,220.11	10,207.42	64,425.38	115,200.21	197,045.51
Distribution system, underground..	...	...	...	44,598.04	25,221.37
Line transformers.....	7,167.86	2,822.31	26,903.39	67,556.16	93,918.44
Meters.....	5,966.80	4,206.39	17,965.84	59,843.47	78,011.13
Street light equipment, regular....	1,822.10	910.14	1,952.13	6,050.91	21,650.05
Miscellaneous construction expense	803.78	70.51	4,126.53	8,205.63	78,185.18
Steam or hydraulic plant.....	...	...	...	...	...
Old plant.....	...	...	...	...	...
Other capital assets.....	...	...	...	...	...
Total plant.....	30,980.65	18,216.77	117,831.88	345,848.51	720,595.60
Less reserve for depreciation.....	4,766.02	6,300.88	21,276.80	93,899.77	139,564.09
	26,214.63	11,915.89	96,555.08	251,948.74	581,031.51
Bank and cash balance.....	2,587.75	8,217.46	384.48	12,387.27	300.00
Securities and investments.....	20,000.00	4,000.00	...	2,000.00	15,000.00
Accounts receivable.....	39.10	161.38	2,852.18	5,113.80	3,183.41
Inventories.....	...	...	408.90	12,668.36	16,401.14
Sinking fund on local debentures..	...	...	...	...	...
Other assets.....	...	...	27.26	23.40	...
Frequency standardization expendi- ture in suspense.....	...	...	9,074.11	24,138.09	...
	48,841.48	24,294.73	109,302.01	308,279.66	615,916.06
Equity in H-E.P.C. systems.....	17,765.67	14,721.06	46,508.04	275,632.90	343,280.97
Total.....	66,607.15	39,015.79	155,810.05	583,912.56	959,197.03
<b>LIABILITIES</b>					
Debenture balance.....	...	...	...	...	...
Accounts payable.....	...	62.89	15,735.44	38,766.63	158,035.96
Bank overdraft.....	...	...	...	...	10,757.48
Other liabilities.....	153.65	232.86	2,758.44	4,971.98	6,847.45
Total liabilities.....	153.65	295.75	18,493.88	43,738.61	175,640.89
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	17,765.67	14,721.06	46,508.04	275,632.90	343,280.97
Other reserves.....	...	...	111.99	1,072.34	...
	17,765.67	14,721.06	46,620.03	276,705.24	343,280.97
<b>SURPLUS</b>					
Debentures paid.....	7,316.57	8,916.82	15,500.00	48,000.00	130,000.00
Local sinking fund.....	...	...	...	...	...
Operating surplus.....	41,371.26	15,082.16	75,196.14	236,263.30	310,275.17
Net frequency standardization ex- pense charged this year.....	...	...	...	20,794.59	...
Total surplus.....	48,687.83	23,998.98	90,696.14	263,468.71	440,275.17
Total.....	66,607.15	39,015.79	155,810.05	583,912.56	959,197.03

## Electrical Utilities

## SHEETS

December 31, 1954

Listowel	London	London Twp.	Long Branch	L'Original	Lucan	Lucknow
\$	\$	\$	\$	\$	\$	\$
6,456.77	628,388.21	...	...	...	375.45	...
39,476.63	974,394.12	...	...	...	...	...
115,049.84	1,322,214.93	56,272.15	133,671.45	28,583.70	22,368.13	37,155.56
7,883.17	1,812,238.82	...	...	...	...	...
49,576.63	956,151.65	29,492.38	78,327.00	6,658.01	14,517.02	18,584.71
33,782.90	686,122.49	18,802.23	63,429.73	5,582.77	9,272.47	10,228.40
6,859.70	356,877.64	3,057.74	24,533.85	900.00	5,327.59	7,799.72
6,112.39	229,428.23	542.46	...	1,877.96	...	227.30
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
265,198.03	6,965,816.09	108,166.96	299,962.03	43,602.44	51,860.66	73,995.69
76,998.30	2,187,659.46	23,235.86	21,083.81	14,890.21	14,389.56	5,993.68
188,199.73	4,778,156.63	84,931.10	278,878.22	28,712.23	37,471.10	68,002.01
22,198.00	19,429.20	6,951.27	6,109.26	9,094.44	1,570.80	7,079.32
...	206,500.00	2,000.00	3,000.00	...	5,500.00	9,000.00
939.13	366,217.85	1,087.38	4,105.66	2,646.48	472.11	528.87
569.72	358,153.36	...	...	...	...	...
...	...	...	...	...	...	...
263.32	4,114.04	...	...	...	...	...
...	...	...	...	...	...	...
212,169.90	5,732,571.08	94,969.75	292,093.14	40,453.15	45,014.01	84,610.20
218,781.22	6,092,065.73	68,359.07	140,389.26	234.24	45,778.49	57,028.55
430,951.12	11,824,636.81	163,328.82	432,482.40	40,687.39	90,792.50	141,638.75
66,632.03	578,000.00	30,595.03	...	26,000.00	...	...
407.39	295,642.25	7,623.04	18,950.08	719.07	3,042.99	2,567.26
...	143,173.95	...	...	...	...	...
1,205.36	58,995.02	942.62	8,109.26	800.00	543.01	...
68,244.78	1,075,811.22	39,160.69	27,059.34	27,519.07	3,586.00	2,567.26
218,781.22	6,092,065.73	68,359.07	140,389.26	234.24	45,778.49	57,028.55
2,987.38	259,358.70	935.06	1,178.34	...	...	490.75
221,768.60	6,351,424.43	69,294.13	141,567.60	234.24	45,778.49	57,519.30
46,557.86	1,653,900.00	21,404.97	40,304.60	2,000.00	11,213.62	17,614.08
107,443.89	2,763,764.14	33,469.03	223,550.86	10,934.08	30,214.39	63,938.11
13,064.01	20,262.98	...	...	...	...	...
140,937.74	4,397,401.16	54,874.00	263,855.46	12,934.08	41,428.01	81,552.19
430,951.12	11,824,636.81	163,328.82	432,482.40	40,687.39	90,792.50	141,638.75

**Municipal  
BALANCE  
as at**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Lynden	Madoc	Magneta- wan	Markdale	Markham
<b>ASSETS</b>	\$	\$	\$	\$	\$
Lands and buildings.....	241.18	100.00	278.04	...	...
Substation equipment.....	...	...	1,821.70	780.80	...
Distribution system, overhead.....	8,410.37	45,595.11	11,560.68	20,476.54	70,187.54
Distribution system, underground.....	...	...	...	...	...
Line transformers.....	5,369.34	17,057.21	3,958.61	12,337.69	33,544.77
Meters.....	4,472.86	13,804.42	1,432.18	10,679.43	20,567.35
Street light equipment, regular.....	695.10	3,249.54	983.31	4,255.77	3,415.16
Miscellaneous construction expense.....	...	882.79	508.84	85.00	839.77
Steam or hydraulic plant.....	...	...	...	...	...
Old plant.....	...	...	2,770.62	...	...
Other capital assets.....	...	...	...	...	...
Total plant.....	19,188.85	80,689.07	23,304.98	48,615.23	128,554.59
Less reserve for depreciation.....	6,466.76	17,289.89	3,394.30	6,626.48	18,356.33
	12,722.09	63,399.18	19,910.68	41,988.75	110,198.26
Bank and cash balance.....	3,592.72	17,661.18	8,637.77	4,697.99	...
Securities and investments.....	6,000.00	7,000.00	100.00	...	...
Accounts receivable.....	148.93	1,357.62	2.76	108.26	1,029.66
Inventories.....	...	2,396.13	...	...	...
Sinking fund on local debentures.....	...	...	...	...	...
Other assets.....	...	200.00	...	575.00	...
Frequency standardization expenditure in suspense.....	...	...	...	...	...
Equity in H-E.P.C. systems.....	22,463.74 29,864.96	92,014.11 30,029.65	28,651.21 519.39	47,370.00 29,135.96	111,227.92 57,213.74
Total.....	52,328.70	122,043.76	29,170.60	76,505.96	168,441.66
<b>LIABILITIES</b>					
Debenture balance.....	...	...	22,800.00	...	...
Accounts payable.....	1.14	197.49	...	437.28	16,933.20
Bank overdraft.....	...	...	...	...	3,521.34
Other liabilities.....	26.32	629.84	...	92.00	210.00
Total liabilities.....	27.46	827.33	22,800.00	529.28	20,664.54
<b>RESERVES</b>					
For equity in H-E.P.C. systems.....	29,864.96	30,029.65	519.39	29,135.96	57,213.74
Other reserves.....	...	...	...	...	65.00
	29,864.96	30,029.65	519.39	29,135.96	57,278.74
<b>SURPLUS</b>					
Debentures paid.....	4,495.00	14,000.00	1,200.00	6,370.29	11,373.63
Local sinking fund.....	...	...	...	...	...
Operating surplus.....	17,941.28	77,186.78	4,651.21	40,470.43	79,124.75
Net frequency standardization expense charged this year.....	...	...	...	...	...
Total surplus.....	22,436.28	91,186.78	5,851.21	46,840.72	90,498.38
Total.....	52,328.70	122,043.76	29,170.60	76,505.96	168,441.66

## Electrical Utilities

## SHEETS

December 31, 1954

Marmora	Martin- town	Maxville	Meaford	Merlin	Merrick- ville	Merritton
\$	\$	\$	\$	\$	\$	\$
1,014.15	126.15	...	3,667.38	17,741.50	...	53,336.15
...	...	407.79	2,593.47	...	...	105,902.94
25,967.58	7,570.90	19,354.79	64,996.76	15,324.22	24,418.78	89,722.05
12,596.67	4,082.37	9,634.56	37,298.76	7,315.01	9,321.91	42,818.75
9,566.22	2,508.24	6,115.72	30,196.85	5,178.98	7,918.25	39,862.10
1,616.24	747.25	2,693.01	13,495.34	1,268.91	2,924.58	9,556.59
392.20	36.94	328.18	2,292.96	293.86	1,072.84	15,612.99
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	627.58	...
51,153.06	15,071.85	38,534.05	154,541.52	47,122.48	46,283.94	356,811.57
22,894.50	3,031.42	7,121.20	31,744.17	11,930.68	3,308.92	82,089.33
28,258.56	12,040.43	31,412.85	122,797.35	35,191.80	42,975.02	274,722.24
2,702.53	2,546.67	5,477.76	44,445.35	5,035.13	4,930.24	73,366.80
7,000.00	...	1,500.00	14,000.00	...	...	87,000.00
...	587.77	682.58	277.07	1,174.87	4,219.22	3,278.52
1,560.56	...	...	6,819.29	569.24	...	14,041.10
...	...	...	...	...	...	...
...	...	2,065.33	125.00	...	...	90.09
...	...	...	...	...	...	1,450.00
39,521.65	15,174.87	41,138.52	188,464.06	41,971.04	52,124.48	453,948.75
19,195.27	6,057.28	24,581.20	99,963.83	27,107.96	3,577.00	666,835.56
58,716.92	21,232.15	65,719.72	288,427.89	69,079.00	55,701.48	1,120,784.31
...	...	...	...	...	21,300.00	...
164.24	65.64	1,786.89	119.40	59.71	1,471.11	220.80
585.00	90.00	99.89	3,109.06	100.28	475.00	1,648.71
749.24	155.64	1,886.78	3,228.46	159.99	23,246.11	1,869.51
19,195.27	6,057.28	24,581.20	99,963.83	27,107.96	3,577.00	666,835.56
...	81.02	295.87	92.47	23.40	...	...
19,195.27	6,138.30	24,877.07	100,056.30	27,131.36	3,577.00	666,835.56
15,091.58	5,346.73	13,642.40	47,724.76	13,122.36	3,700.00	32,186.21
23,680.83	9,591.48	25,313.47	137,418.37	28,665.29	25,178.37	420,328.76
...	...	...	...	...	...	435.73
38,772.41	14,938.21	38,955.87	185,143.13	41,787.65	28,878.37	452,079.24
58,716.92	21,232.15	65,719.72	288,427.89	69,079.00	55,701.48	1,120,784.31

**Municipal  
BALANCE  
as at**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Midland	Mildmay	Millbrook	Milton	Milverton
<b>ASSETS</b>	\$	\$	\$	\$	\$
Lands and buildings.....	37,310.76	...	1,000.00	17,128.95	961.88
Substation equipment.....	202,766.99	...	...	47,949.60	...
Distribution system, overhead.....	170,943.22	13,012.61	15,188.25	81,535.43	20,361.74
Distribution system, underground.....	...	...	...	...	...
Line transformers.....	72,863.73	12,032.23	6,559.96	42,576.42	20,311.20
Meters.....	71,666.62	6,268.46	5,362.48	29,623.19	10,721.97
Street light equipment, regular.....	23,576.22	1,931.57	2,610.89	25,140.59	1,630.76
Miscellaneous construction expense	10,213.87	71.75	759.17	9,358.47	1,252.78
Steam or hydraulic plant.....	...	...	...	...	...
Old plant.....	...	...	...	...	...
Other capital assets.....	...	...	...	...	...
Total plant.....	589,341.41	33,316.62	31,480.75	253,312.65	55,240.33
Less reserve for depreciation.....	249,804.83	3,277.75	6,785.66	45,186.95	12,149.33
	339,536.58	30,038.87	24,695.09	208,125.70	43,091.00
Bank and cash balance.....	4,743.28	5,945.61	9,396.43	50.00	11,043.33
Securities and investments.....	75,000.00	10,500.00	6,000.00	...	...
Accounts receivable.....	9,530.97	6.78	215.42	1,454.99	1,684.92
Inventories.....	7,670.30	...	852.17	4,380.07	142.20
Sinking fund on local debentures.....	...	...	...	...	...
Other assets.....	2,992.75	...	...	28.46	...
Frequency standardization expenditure in suspense.....	...	...	...	2,635.33	8,135.68
	439,473.88	46,491.26	41,159.11	216,674.55	64,097.13
Equity in H-E.P.C. systems.....	558,337.19	15,045.66	8,643.03	253,200.16	99,829.78
Total.....	997,811.07	61,536.92	49,802.14	469,874.71	163,926.91
<b>LIABILITIES</b>					
Debenture balance.....	...	...	...	24,305.15	15,000.00
Accounts payable.....	9,074.60	4.72	2,164.95	327.18	3,357.91
Bank overdraft.....	...	...	...	14,126.68	...
Other liabilities.....	2,146.67	270.73	485.04	2,340.06	...
Total liabilities.....	11,221.27	275.45	2,649.99	41,099.07	18,357.91
<b>RESERVES</b>					
For equity in H-E.P.C. systems.....	558,337.19	15,045.66	8,643.03	253,200.16	99,829.78
Other reserves.....	1,302.06	...	...	218.67	244.79
	559,639.25	15,045.66	8,643.03	253,418.83	100,074.57
<b>SURPLUS</b>					
Debentures paid.....	111,944.99	12,303.50	9,000.00	34,741.26	9,500.00
Local sinking fund.....	...	...	...	...	...
Operating surplus.....	315,005.56	33,912.31	29,509.12	140,615.55	35,994.43
Net frequency standardization expense charged this year.....	...	...	...	...	...
Total surplus.....	426,950.55	46,215.81	38,509.12	175,356.81	45,494.43
Total.....	997,811.07	61,536.92	49,802.14	469,874.71	163,926.91

## Electrical Utilities

## SHEETS

December 31, 1954

Mimico	Mitchell	Moorefield	Morrisburg	Mount Brydges	Mount Forest	Napanee
\$	\$	\$	\$	\$	\$	\$
107,027.86	28,387.09	...	15,347.40	...	3,726.00	25,762.32
103,235.23	20,137.69	...	4,499.48	...	686.75	2,358.27
156,063.81	50,679.07	7,894.90	26,123.99	17,194.93	43,682.88	89,240.29
105,727.96	35,171.17	3,784.47	14,497.11	7,722.67	24,001.69	36,051.73
90,664.57	24,295.82	3,679.93	15,087.31	6,179.25	20,352.97	35,269.62
16,174.27	9,028.44	817.47	7,921.35	1,966.40	5,642.37	9,382.27
19,418.87	11,819.28	183.00	4,750.93	...	1,520.64	22,491.11
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
598,312.57	179,518.56	16,359.77	88,227.57	33,063.25	99,613.30	220,555.61
119,383.39	37,122.26	3,581.22	6,377.16	7,202.39	26,202.86	44,121.77
478,929.18	142,396.30	12,778.55	81,850.41	25,860.86	73,410.44	176,433.84
48,650.40	100.00	769.33	4,825.15	3,770.02	23,223.67	26,591.80
65,000.00	8,000.00	2,500.00	11,000.00	1,000.00	20,000.00	12,800.00
4,131.60	10,854.09	199.91	2,507.84	147.49	276.81	15,577.03
2,484.70	15,272.91	...	4,259.47	...	...	9,654.18
1,300.67	77.41	20.25	276.50	...	...	600.00
...	...	...	...	...	...	...
600,496.55	176,700.71	16,268.04	104,719.37	30,778.37	116,910.92	241,656.85
382,224.16	120,138.40	15,772.14	23,088.62	19,869.90	92,872.99	140,610.69
982,720.71	296,839.11	32,040.18	127,807.99	50,648.27	209,783.91	382,267.54
112,500.00	22,400.00	...	...	...	...	...
2,368.53	1,538.41	701.81	421.89	...	...	234.36
...	3,471.39	...	...	...	...	...
18,593.12	435.00	7.22	2,456.17	135.00	195.00	2,962.63
133,461.65	27,844.80	709.03	2,878.06	135.00	195.00	3,196.99
382,224.16	120,138.40	15,772.14	23,088.62	19,869.90	92,872.99	140,610.69
525.61	1,352.49	...	...	94.03	...	...
382,749.77	121,490.89	15,772.14	23,088.62	19,963.93	92,872.99	140,610.69
139,500.00	24,895.22	4,500.00	31,636.00	4,220.00	25,351.63	70,000.00
327,009.29	122,608.20	11,930.95	70,205.31	26,329.34	91,364.29	168,459.86
...	...	871.94	...	...	...	...
466,509.29	147,503.42	15,559.01	101,841.31	30,549.34	116,715.92	238,459.86
982,720.71	296,839.11	32,040.18	127,807.99	50,648.27	209,783.91	382,267.54

Municipal  
BALANCE  
as at

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Neustadt	Newboro	Newburgh	Newbury	Newcastle
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....	...	...	...	...	107.37
Substation equipment.....	...	...	...	...	...
Distribution system, overhead....	15,448.54	12,913.07	18,959.72	8,781.04	25,072.75
Distribution system, underground..	...	...	...	...	...
Line transformers.....	11,358.44	3,680.96	5,856.84	2,966.14	11,303.59
Meters.....	4,834.61	3,209.02	4,725.20	2,015.99	8,831.05
Street light equipment, regular....	2,008.71	1,123.62	1,348.63	894.16	2,538.10
Miscellaneous construction expense	209.55	1,336.77	442.69	39.77	2,149.93
Steam or hydraulic plant.....	...	...	...	...	...
Old plant.....	...	...	...	...	...
Other capital assets.....	...	...	...	...	...
Total plant.....	33,859.85	22,263.44	31,333.08	14,697.10	50,002.79
Less reserve for depreciation.....	9,009.18	2,447.20	12,875.04	7,855.60	17,244.66
	24,850.67	19,816.24	18,458.04	6,841.50	32,758.13
Bank and cash balance.....	5,210.49	4,353.30	2,956.38	6,428.03	6,011.54
Securities and investments.....	11,200.00	3,000.00	3,000.00	6,500.00	10,500.00
Accounts receivable.....	119.58	122.23	228.31	662.45	276.68
Inventories.....	27.21	...	...	...	2,302.70
Sinking fund on local debentures..	...	...	...	...	...
Other assets.....	...	207.20	45.00	...	...
Frequency standardization expendi- ture in suspense.....	...	...	...	54.00	...
	41,407.95	27,498.97	24,687.73	20,485.98	51,849.05
Equity in H-E.P.C. systems.....	15,034.49	959.20	1,835.93	10,976.75	16,879.49
Total.....	56,442.44	28,458.17	26,523.66	31,462.73	68,728.54
LIABILITIES					
Debenture balance.....	...	13,641.06	9,400.00	...	...
Accounts payable.....	195.77	884.51	461.60	...	...
Bank overdraft.....	...	...	...	...	...
Other liabilities.....	328.85	102.00	174.00	67.84	...
Total liabilities.....	524.62	14,627.57	10,035.60	67.84	...
RESERVES					
For equity in H-E.P.C. systems....	15,034.49	959.20	1,835.93	10,976.75	16,879.49
Other reserves.....	...	...	...	...	...
	15,034.49	959.20	1,835.93	10,976.75	16,879.49
SURPLUS					
Debentures paid.....	15,504.12	3,358.94	4,600.00	9,754.39	14,000.00
Local sinking fund.....	...	...	...	...	...
Operating surplus.....	25,379.21	9,512.46	10,052.13	10,663.75	37,849.05
Net frequency standardization ex- pense charged this year.....	...	...	...	...	...
Total surplus.....	40,883.33	12,871.40	14,652.13	20,418.14	51,849.05
Total.....	56,442.44	28,458.17	26,523.66	31,462.73	68,728.54

## Electrical Utilities

## SHEETS

December 31, 1954

New Hamburg	Newmarket	New Toronto	Niagara	Niagara Falls	North York Twp.	Norwich
\$	\$	\$	\$	\$	\$	\$
4,238.26	4,000.00	65,435.61	5,262.40	153,494.43	466,057.23	4,697.92
1,319.80	5,000.00	46,659.10	77,236.84	370,036.05	1,287,392.62	...
40,302.07	143,036.26	194,486.06	69,732.10	375,343.04	3,852,670.54	18,698.72
...	...	17,198.72	...	88,358.21	...	...
24,653.52	80,875.93	143,401.19	45,663.32	277,230.91	1,756,231.87	17,211.84
17,591.57	52,814.91	92,682.57	26,594.53	210,578.35	995,939.95	14,343.77
3,616.22	26,448.34	27,733.07	5,285.68	134,889.22	156.00	5,509.48
6,059.56	5,595.75	15,672.43	3,258.06	24,832.38	254,127.49	2,701.74
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
97,781.00	317,771.19	603,268.75	233,032.93	1,634,762.59	8,612,575.70	63,163.47
23,284.60	66,352.65	110,901.82	51,299.11	452,911.72	801,811.58	17,532.71
74,496.40	251,418.54	492,366.93	181,733.82	1,181,850.87	7,810,764.12	45,630.76
3,379.01	125.00	29,717.20	3,977.45	19,710.35	339,490.87	2,265.34
1,585.01	3,850.61	70,000.00	...	55,000.00	10,000.00	8,000.00
1,059.60	37.84	7,435.16	4,727.73	4,635.09	188,765.08	1,405.76
...	...	14,862.73	11,292.45	64,172.93	168,683.99	5,221.11
33.72	338.20	...	...	5,378.94	635.76	88.19
13,480.98	...	...	...	...	...	...
94,034.72	255,770.19	614,382.02	201,731.45	1,330,748.18	8,518,339.82	62,611.16
122,442.35	72,824.65	1,285,037.16	91,811.13	1,367,770.93	1,164,648.18	89,185.23
216,477.07	328,594.84	1,899,419.18	293,542.58	2,698,519.11	9,682,988.00	151,796.39
10,000.00	51,057.31	...	31,032.24	...	5,004,972.16	...
...	9,316.33	505.69	57.75	8,983.90	424,732.88	1,318.75
217.50	9,429.47	...	...	...	...	...
...	2,803.42	8,170.56	1,905.25	34,157.98	121,147.46	897.00
10,217.50	72,606.53	8,676.25	32,995.24	43,141.88	5,550,852.50	2,215.75
122,442.35	72,824.65	1,285,037.16	91,811.13	1,367,770.93	1,164,648.18	89,185.23
33.83	577.48	919.48	550.43	865.37	16,625.77	376.55
122,476.18	73,402.13	1,285,956.64	92,361.56	1,368,636.30	1,181,273.95	89,561.78
17,729.08	13,942.69	8,000.00	49,475.43	690,243.00	1,098,049.71	13,756.00
66,054.31	168,643.49	596,786.29	118,710.35	630,915.99	2,164,757.59	46,262.86
...	...	...	...	34,418.06	311,945.75	...
83,783.39	182,586.18	604,786.29	168,185.78	1,286,740.93	2,950,861.55	60,018.86
216,477.07	328,594.84	1,899,419.18	293,542.58	2,698,519.11	9,682,988.00	151,796.39

**Municipal  
BALANCE  
as at**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Norwood	Oakville	Oil Springs	Omemeë	Orange- ville
<b>ASSETS</b>	\$	\$	\$	\$	\$
Lands and buildings.....	...	40,596.30	7,343.66	200.00	2,585.07
Substation equipment.....	...	140,590.64	2,461.78	769.83	...
Distribution system, overhead....	56,631.43	266,947.97	19,289.92	24,212.30	82,046.71
Distribution system, underground..	...	19,796.79	...	...	...
Line transformers.....	12,249.45	120,524.48	9,673.56	10,921.23	42,242.09
Meters.....	11,260.56	90,511.23	5,917.15	7,120.47	29,058.82
Street light equipment, regular....	7,644.90	34,185.19	1,404.22	3,135.13	27,746.71
Miscellaneous construction expense	296.10	26,186.67	153.07	430.70	1,872.63
Steam or hydraulic plant.....	...	...	...	...	...
Old plant.....	...	...	...	...	...
Other capital assets.....	...	...	...	...	...
Total plant.....	88,082.44	739,339.27	46,243.36	46,789.66	185,552.03
Less reserve for depreciation....	13,700.56	140,071.29	17,916.55	16,885.49	39,871.18
	74,381.88	599,267.98	28,326.81	29,904.17	145,680.85
Bank and cash balance.....	7,427.71	19,534.95	4,022.04	4,652.92	70.00
Securities and investments.....	...	12,000.00	11,000.00	11,000.00	11,000.00
Accounts receivable.....	2,963.75	16,072.41	108.11	112.01	1,098.28
Inventories.....	...	29,325.62	360.94	459.42	9,220.43
Sinking fund on local debentures..	...	...	...	...	...
Other assets.....	...	276.73	824.41	...	1,306.70
Frequency standardization expendi- ture in suspense.....	...	...	...	...	...
Equity in H-E.P.C. systems.....	84,773.34 20,592.00	664,477.69 66,262.06	45,642.31 53,378.35	46,128.52 10,448.66	168,376.26 127,981.66
Total.....	105,365.34	730,739.75	99,020.66	56,577.18	296,357.92
<b>LIABILITIES</b>					
Debenture balance.....	15,000.00	337,000.00	...	...	...
Accounts payable.....	308.60	10,331.23	...	150.59	93.47
Bank overdraft.....	...	...	...	...	3,162.36
Other liabilities.....	618.87	8,761.00	40.00	289.33	1,338.00
Total liabilities.....	15,927.47	356,092.23	40.00	439.92	4,593.83
<b>RESERVES</b>					
For equity in H-E.P.C. systems...	20,592.00	66,262.06	53,378.35	10,448.66	127,981.66
Other reserves.....	...	900.26	...	45.14	40.38
	20,592.00	67,162.32	53,378.35	10,493.80	128,022.04
<b>SURPLUS</b>					
Debentures paid.....	40,100.00	14,000.00	16,721.31	12,000.00	25,594.32
Local sinking fund.....	...	...	...	...	...
Operating surplus.....	28,745.87	293,485.20	28,881.00	33,643.46	138,147.73
Net frequency standardization ex- pense charged this year.....	...	...	...	...	...
Total surplus.....	68,845.87	307,485.20	45,602.31	45,643.46	163,742.05
Total.....	105,365.34	730,739.75	99,020.66	56,577.18	296,357.92

## Electrical Utilities

## SHEETS

December 31, 1954

Orillia	Orono	Oshawa	Ottawa	Otterville	Owen Sound	Paisley
\$	\$	\$	\$	\$	\$	\$
17,829.48	...	235,570.85	2,248,363.08	738.91	76,297.59	...
354,615.83	...	579,473.97	4,639,317.26	...	107,652.08	1,923.46
315,174.34	16,884.09	1,025,230.09	3,622,298.64	15,107.96	288,374.56	23,037.76
...	...	270,763.72	976,621.04	...	17,566.33	...
190,965.07	9,854.57	389,875.35	2,606,437.75	12,924.94	122,313.52	10,123.68
169,238.97	6,467.64	340,291.13	1,317,994.83	5,607.37	125,059.47	7,050.13
59,178.84	2,549.80	221,375.62	632,567.79	2,111.23	67,228.27	3,124.45
27,645.80	1,498.00	90,817.18	142,617.59	595.87	22,469.05	273.20
2,309,402.46	...	...	1,733,193.79	...	...	...
...	...	...	...	...	...	...
319,469.29	...	...	...	...	...	...
3,763,520.08	37,254.10	3,153,397.91	17,919,411.77	37,086.28	826,960.87	45,532.68
716,274.36	7,129.17	528,539.53	4,565,488.96	11,831.44	134,315.19	8,575.30
3,047,245.72	30,124.93	2,624,858.38	13,353,922.81	25,254.84	692,645.68	36,957.38
131,068.81	2,067.01	149,468.12	587,241.40	945.62	80,384.63	7,810.32
...	10,000.00	400,000.00	543,000.00	2,000.00	70,000.00	4,500.00
45,837.70	555.71	181,695.97	532,884.49	122.96	41,031.42	334.64
54,831.72	1,446.00	74,268.74	402,864.44	108.00	35,342.35	...
...	...	...	...	...	...	...
86,638.80	376.00	2,297.26	22,542.86	1,120.00	...	...
...	...	...	...	...	...	...
3,365,622.75	44,569.65	3,432,588.47	15,442,456.00	29,551.42	919,404.08	49,602.34
...	7,790.78	1,803,299.15	1,509,340.87	23,185.31	663,604.75	29,312.11
3,365,622.75	52,360.43	5,235,887.62	16,951,796.87	52,736.73	1,583,008.83	78,914.45
1,156,331.38	...	184,000.00	5,600,000.00	...	77,500.00	...
15,481.89	359.42	153,131.63	499,479.65	100.06	31,235.03	296.08
...	...	...	...	...	...	...
9,619.14	...	49,300.03	255,703.41	141.38	16,739.27	152.42
1,181,432.41	359.42	386,431.66	6,355,183.06	241.44	125,474.30	448.50
...	...	...	...	...	...	...
90,932.84	7,790.78	1,803,299.15	1,509,340.87	23,185.31	663,604.75	29,312.11
...	...	25,284.45	412,936.52	...	1,313.03	...
90,932.84	7,790.78	1,828,583.60	1,922,277.39	23,185.31	664,917.78	29,312.11
1,245,668.62	8,000.00	318,622.40	2,380,000.00	4,500.00	130,218.00	13,623.35
847,588.88	36,210.23	2,702,249.96	6,294,336.42	24,809.98	662,398.75	35,530.49
...	...	...	...	...	...	...
2,093,257.50	44,210.23	3,020,872.36	8,674,336.42	29,309.98	792,616.75	49,153.84
3,365,622.75	52,360.43	5,235,887.62	16,951,796.87	52,736.73	1,583,008.83	78,914.45

**Municipal  
BALANCE  
as at**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Palmerston	Paris	Parkhill	Parry Sound	Penetang- uishene
<b>ASSETS</b>	\$	\$	\$	\$	\$
Lands and buildings.....	262.64	14,805.14	...	20,285.09	2,348.68
Substation equipment.....	...	93,608.05	...	29,306.35	18,706.91
Distribution system, overhead....	43,275.32	103,823.55	35,592.81	79,093.50	83,568.20
Distribution system, underground..	...	...	...	...	...
Line transformers.....	27,580.08	63,575.50	19,661.30	52,513.68	38,536.51
Meters.....	17,769.82	32,716.51	11,013.29	42,908.75	30,696.67
Street light equipment, regular....	13,489.16	20,374.66	9,374.16	21,858.75	13,645.53
Miscellaneous construction expense	1,853.10	6,629.24	523.54	8,893.95	1,217.86
Steam or hydraulic plant.....	...	...	...	373,190.27	...
Old plant.....	...	...	...	...	...
Other capital assets.....	...	...	...	...	...
Total plant.....	104,230.12	335,532.65	76,165.10	628,050.34	188,720.36
Less reserve for depreciation.....	30,720.53	99,966.84	9,112.85	140,549.73	69,078.95
	73,509.59	235,565.81	67,052.25	487,500.61	119,641.41
Bank and cash balance.....	2,396.36	5,507.92	7,800.45	4,665.12	3,016.74
Securities and investments.....	20,600.00	...	6,000.00	32,800.00	50,000.00
Accounts receivable.....	327.42	1,823.92	256.52	2,158.94	931.18
Inventories.....	10,699.25	...	...	1,907.54	340.91
Sinking fund on local debentures...	...	...	...	...	...
Other assets.....	49.00	633.77	...	9,025.46	4,858.41
Frequency standardization expendi- ture in suspense.....	...	1,420.00	...	...	...
	107,581.62	244,951.42	81,109.22	538,057.67	178,788.65
Equity in H-E.P.C. systems.....	108,860.02	282,809.75	51,693.89	13,568.70	163,763.82
Total.....	216,441.64	527,761.17	132,803.11	551,626.37	342,552.47
<b>LIABILITIES</b>					
Debenture balance.....	...	22,500.00	13,200.00	...	...
Accounts payable.....	3,797.97	1,186.38	99.65	124.18	25.92
Bank overdraft.....	...	...	...	...	...
Other liabilities.....	301.58	...	463.73	7,040.60	1,487.50
Total liabilities.....	4,099.55	23,686.38	13,763.38	7,164.78	1,513.42
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	108,860.02	282,809.75	51,693.89	13,568.70	163,763.82
Other reserves.....	263.97	11.39	...	146.19	800.45
	109,123.99	282,821.14	51,693.89	13,714.89	164,564.27
<b>SURPLUS</b>					
Debentures paid.....	27,000.00	94,500.00	16,430.02	388,500.00	36,982.95
Local sinking fund.....	...	...	...	...	...
Operating surplus.....	83,796.11	126,753.65	50,915.82	142,246.70	139,491.83
Net frequency standardization ex- pense charged this year.....	7,578.01	...	...	...	...
Total surplus.....	103,218.10	221,253.65	67,345.84	530,746.70	176,474.78
Total.....	216,441.64	527,761.17	132,803.11	551,626.37	342,552.47

## Electrical Utilities

## SHEETS

December 31, 1954

Perth	Peter- borough	Petrolia	Picton	Plattsville	Point Edward	Port Colborne
\$	\$	\$	\$	\$	\$	\$
23,527.17	260,484.24	39,517.89	18,024.14	...	3,611.39	57,310.72
19,218.26	758,840.01	8,521.48	52,552.35	...	...	...
92,875.97	1,131,963.72	84,482.23	80,873.54	9,832.30	62,681.59	277,255.35
...	75,576.99	...	...	...	...	...
55,922.19	475,517.83	53,883.16	43,983.41	6,641.91	25,054.14	118,249.71
38,365.25	302,511.33	31,083.69	41,408.40	4,028.19	22,004.65	85,069.53
31,349.40	182,918.14	9,040.20	17,769.23	758.96	10,377.91	19,322.17
4,792.16	49,361.21	5,837.52	3,863.12	...	1,516.80	30,371.93
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
266,050.40	3,237,173.47	232,366.17	258,474.19	21,261.36	125,246.48	587,579.41
79,275.98	638,583.48	64,550.09	69,877.45	3,305.06	27,748.32	83,745.28
186,774.42	2,598,589.99	167,816.08	188,596.74	17,956.30	97,498.16	503,834.13
4,000.96	21,519.19	2,392.57	67,736.51	9,262.68	44,442.13	30,530.83
81,000.00	...	...	3,000.00	4,500.00	25,000.00	10,000.00
998.92	101,910.58	12,122.56	586.95	513.93	4,683.95	1,693.12
15,146.12	50,098.84	18,525.62	8,785.10	...	5,007.68	3,488.57
...	...	...	...	...	...	...
...	2,892.34	289.66	...	...	584.90	303.29
...	...	...	...	35.00	...	...
287,920.42	2,775,010.94	201,146.49	268,705.30	32,267.91	177,216.82	549,849.94
200,312.40	1,197,108.91	236,496.70	166,806.96	27,066.65	201,294.77	329,076.12
488,232.82	3,972,119.85	437,643.19	435,512.26	59,334.56	378,511.59	878,926.06
...	680,400.00	...	60,000.00	...	...	65,000.00
...	114,698.61	2,567.29	205.20	192.05	1,871.23	570.52
4,052.40	3,026.06	3,055.29	7,279.36	...	771.87	7,459.71
4,052.40	798,124.67	5,622.58	67,484.56	192.05	2,643.10	73,030.23
200,312.40	1,197,108.91	236,496.70	166,806.96	27,066.65	201,294.77	329,076.12
4,095.32	706.41	41.69	2,465.86	...	113.07	4,956.48
204,407.72	1,197,815.32	236,538.39	169,272.82	27,066.65	201,407.84	334,032.60
85,045.30	570,210.67	50,000.00	3,182.32	5,237.00	17,000.00	178,000.00
194,727.40	1,405,969.19	145,482.22	195,572.56	26,838.86	157,460.65	293,863.23
...	...	...	...	...	...	...
279,772.70	1,976,179.86	195,482.22	198,754.88	32,075.86	174,460.65	471,863.23
488,232.82	3,972,119.85	437,643.19	435,512.26	59,334.56	378,511.59	878,926.06

## Municipal

## BALANCE

as at

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality	Port Credit	Port Dalhousie	Port Dover	Port Elgin	Port Hope
<b>ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Lands and buildings	1,217.50	22,668.51	248.75	16,567.92	19,622.53
Substation equipment	5,179.08				29,230.58
Distribution system, overhead	136,244.46	66,464.05	82,578.84	49,425.50	125,078.55
Distribution system, underground					
Line transformers	68,955.31	36,149.98	38,950.55	26,533.64	73,559.53
Meters	52,336.20	25,081.97	26,258.04	18,294.51	68,079.85
Street light equipment, regular	10,271.38	3,638.97	4,515.08	6,835.08	16,174.90
Miscellaneous construction expense	11,493.93	3,488.85	4,504.98	4,016.85	19,085.39
Steam or hydraulic plant	...	...	...	...	...
Old plant	...	...	...	...	...
Other capital assets	...	...	...	...	...
Total plant	285,697.86	157,492.33	157,056.24	121,673.50	350,831.33
Less reserve for depreciation	41,936.28	14,882.08	41,388.89	15,204.83	71,792.78
	243,761.58	142,610.25	115,667.35	106,468.67	279,038.55
Bank and cash balance		11,907.48	3,315.26	50.00	15,557.49
Securities and investments	1,000.00			3,500.00	
Accounts receivable	7,283.13	11,118.57	3,783.63	425.76	876.04
Inventories	5,473.61	1,282.43	...	1,456.71	12,991.90
Sinking fund on local debentures					
Other assets	1,339.52	11.85	224.51	...	349.38
Frequency standardization expenditure in suspense	...	...	151.00	...	...
	258,857.84	166,930.58	123,141.75	111,901.14	308,813.36
Equity in H-E.P.C. systems	128,615.92	107,626.73	78,100.34	52,404.10	240,657.99
Total	387,473.76	274,557.31	201,242.09	164,305.24	549,471.35
<b>LIABILITIES</b>					
Debenture balance	61,408.47	39,229.25	19,395.15	...	11,000.00
Accounts payable	4,192.11	532.80	258.43	719.66	95.33
Bank overdraft	13,455.93			2,447.15	
Other liabilities	5,438.07	2,643.63	1,587.30	...	18,638.87
Total liabilities	84,494.58	42,405.68	21,240.88	3,166.81	29,734.20
<b>RESERVES</b>					
For equity in H-E.P.C. systems	128,615.92	107,626.73	78,100.34	52,404.10	240,657.99
Other reserves	371.33	1,433.16	668.67	...	1,276.68
	128,987.25	109,059.89	78,769.01	52,404.10	241,934.67
<b>SURPLUS</b>					
Debentures paid	38,091.53	30,270.75	29,604.85	37,787.00	83,000.00
Local sinking fund					
Operating surplus	135,900.40	92,820.99	71,627.35	70,947.33	194,802.48
Net frequency standardization expense charged this year	...	...	...	...	...
Total surplus	173,991.93	123,091.74	101,232.20	108,734.33	277,802.48
Total	387,473.76	274,557.31	201,242.09	164,305.24	549,471.35

## Electrical Utilities

## SHEETS

December 31, 1954

Port McNeill	Port Perry	Port Rowan	Port Stanley	Prewett	Preston	Princeton
\$	\$	\$	\$	\$	\$	\$
			1,574.60	2,761.54	54,595.17	68.00
					191,403.00	
29,795.04	50,282.42	22,100.01	41,908.43	49,413.70	188,457.64	10,362.82
5,338.96	19,633.00	10,531.41	31,954.60	33,138.52	131,388.42	3,706.48
9,191.55	14,438.07	4,633.69	22,897.84	36,131.85	66,965.23	1,008.38
2,109.76	3,585.84	1,451.81	5,496.89	15,892.10	21,149.18	834.96
859.59	308.02	294.74	2,850.06	4,458.30	18,519.48	128.80
					16,484.00	
47,294.00	88,307.41	39,013.16	128,654.34	197,786.01	688,744.32	15,189.90
7,511.67	13,940.11	4,448.84	31,424.32	67,933.91	139,256.00	2,990.34
39,782.33	74,367.30	32,563.32	97,239.92	129,854.10	549,488.32	12,199.56
12,491.31	11,219.32	5,227.97	50.00	16,424.67	861.43	4,904.49
1,000.00	16,000.00		18,000.00			
1,378.66	379.71	1,477.72	1,764.72	7,633.95	14,659.96	34.87
258.35			133.85	8,864.70	25,062.51	
	1,021.20	10.00	413.41		4,040.00	
		196.42			20,203.52	
54,910.65	102,987.53	39,475.49	117,531.86	162,777.42	614,325.54	17,058.87
25,532.01	51,777.21	19,627.15	109,249.85	144,273.03	638,684.83	2,495.37
80,442.66	154,764.74	59,102.64	226,781.74	307,050.45	1,253,010.37	19,554.24
29.00		915.84		7,700.00	217,160.00	4,950.00
				3,037.59	41,886.34	1,169.86
488.57	831.55	320.83	307.44			
			983.00	1,020.40	4,204.91	
517.57	631.55	1,236.67	590.44	14,757.99	273,871.15	6,109.86
25,532.01	51,777.21	19,627.15	109,249.85	144,273.03	638,684.83	2,495.37
150.00	100.00		522.37		522.03	
25,682.01	51,877.21	19,627.15	109,772.22	144,273.03	639,166.90	2,495.37
9,803.58	19,881.66	11,000.00	18,950.00	16,470.99	175,620.00	7,214.10
44,439.50	82,174.32	27,238.82	97,667.68	131,548.44	164,252.30	3,722.91
			198.66			
54,243.08	102,055.98	38,238.82	116,419.08	148,019.43	339,872.30	10,839.01
80,442.66	154,764.74	59,102.64	226,781.74	307,050.45	1,253,010.37	19,554.24

**Municipal  
BALANCE  
as at**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Princeton	Queenston	Renfrew	Richmond	Richmond Hill
<b>ASSETS</b>	\$	\$	\$	\$	\$
Lands and buildings.....	...	...	9,393.89	...	60.00
Substation equipment.....	...	...	64,008.46	...	600.00
Distribution system, overhead.....	12,315.71	14,957.26	145,839.81	20,737.42	93,979.09
Distribution system, underground.....	...	...	...	...	...
Line transformers.....	6,492.48	6,068.75	89,849.78	9,943.54	74,001.24
Meters.....	3,675.51	5,049.67	61,217.31	5,270.65	36,564.85
Street light equipment, regular.....	1,526.80	649.05	43,917.01	515.07	6,811.07
Miscellaneous construction expense.....	...	50.00	8,780.84	1,113.58	1,345.55
Steam or hydraulic plant.....	...	...	551,988.92	...	...
Old plant.....	...	...	...	...	...
Other capital assets.....	...	...	80,034.33	...	...
Total plant.....	24,010.50	26,774.73	1,055,030.35	37,580.26	213,361.80
Less reserve for depreciation.....	3,702.49	4,827.22	159,124.78	1,943.43	33,996.93
	20,308.01	21,947.51	895,905.57	35,636.83	179,364.87
Bank and cash balance.....	466.79	1,338.22	...	...	7,508.41
Securities and investments.....	5,000.00	5,000.00	...	...	...
Accounts receivable.....	906.29	98.96	26,072.75	620.86	910.58
Inventories.....	...	...	16,505.40	...	...
Sinking fund on local debentures.....	...	...	...	...	...
Other assets.....	...	...	...	...	1,500.00
Frequency standardization expenditure in suspense.....	24.00	...	...	...	...
	26,705.09	28,384.69	938,483.72	36,257.69	189,283.86
Equity in H-E.P.C. systems.....	25,058.31	18,106.63	35,728.38	11,277.84	69,375.86
Total.....	51,763.40	46,491.32	974,212.10	47,535.53	258,659.72
<b>LIABILITIES</b>					
Debenture balance.....	...	...	193,827.34	8,000.00	67,000.03
Accounts payable.....	738.47	...	27,872.27	192.39	34,548.90
Bank overdraft.....	...	...	5,692.73	138.42	...
Other liabilities.....	20.00	215.00	...	267.45	3,835.74
Total liabilities.....	758.47	215.00	227,392.34	8,598.26	105,384.67
<b>RESERVES</b>					
For equity in H-E.P.C. systems.....	25,058.31	18,106.63	35,728.38	11,277.84	69,375.86
Other reserves.....	...	...	562.14	467.50	190.50
	25,058.31	18,106.63	36,290.52	11,745.34	69,566.36
<b>SURPLUS</b>					
Debentures paid.....	3,550.00	9,500.00	517,409.39	5,887.33	15,199.97
Local sinking fund.....	...	...	...	...	...
Operating surplus.....	22,396.62	19,567.34	193,119.85	21,304.60	68,508.72
Net frequency standardization expense charged this year.....	...	897.65	...	...	...
Total surplus.....	25,946.62	28,169.69	710,529.24	27,191.93	83,708.69
Total.....	51,763.40	46,491.32	974,212.10	47,535.53	258,659.72

## Electrical Utilities

## SHEETS

December 31, 1954

Ridgetown	Ripley	Riverside	Rockland	Rockwood	Rodney	Rosseau
\$	\$	\$	\$	\$	\$	\$
5,181.10	...	12,861.37	...	...	...	...
69,940.54	16,618.99	19,894.39	...	...	...	...
27,701.20	7,733.59	210,742.46	22,513.13	16,460.52	20,647.07	10,480.71
17,493.40	4,466.11	92,772.07	14,847.00	11,317.15	13,547.96	4,720.12
9,033.89	2,232.09	83,863.62	7,481.42	6,260.99	8,652.36	1,800.59
53.05	...	...	3,398.04	1,376.34	4,111.99	716.72
...	...	6,841.52	1,803.08	...	124.31	36.04
...	...	...	...	...	...	...
...	...	...	...	...	...	...
129,403.18	31,050.78	426,975.43	50,042.67	35,415.00	47,083.69	17,754.18
12,067.30	4,313.89	87,158.08	15,631.36	11,301.96	13,067.67	4,926.60
117,335.88	26,736.89	339,817.35	34,411.31	24,113.04	34,016.02	12,827.58
8,700.20	9,745.00	12,530.14	6,962.86	960.79	1,107.80	3,237.71
483.72	31.29	9,563.93	9,780.42	2,500.00	5,200.00	1,500.00
552.21	...	12,779.74	...	27.41	606.49	109.91
94.00	2,000.00	423.31	...	88.83	...	...
...	...	10,750.27	...	56.67	...	...
127,166.01	38,513.18	385,864.74	51,154.59	28,304.48	40,930.31	17,675.20
105,960.78	21,499.65	233,872.44	...	28,510.87	34,800.15	10,049.55
233,126.79	60,012.83	619,737.18	51,154.59	56,815.35	75,730.46	27,724.75
30,000.00	...	33,512.04	25,000.00	...	...	...
6,561.11	...	37,750.93	3,683.45	53.55	1,502.40	2,130.23
1,590.00	593.24	4,137.20	1,123.00	328.93	380.00	60.00
38,151.11	593.24	75,400.17	29,806.45	382.48	1,882.40	2,190.23
105,960.78	21,499.65	233,872.44	...	28,510.87	34,800.15	10,049.55
2,945.62	...	1,412.25	1,000.00	...	73.15	68.74
108,906.40	21,499.65	235,284.69	1,000.00	28,510.87	34,873.30	10,118.29
19,455.99	12,744.49	93,987.96	...	4,500.00	8,500.00	11,932.84
66,613.29	25,175.45	218,866.62	20,348.14	23,422.00	30,474.76	3,483.39
...	...	3,802.26	...	...	...	...
86,069.28	37,919.94	309,052.32	20,348.14	27,922.00	38,974.76	15,416.23
233,126.79	60,012.83	619,737.18	51,154.59	56,815.35	75,730.46	27,724.75

# Municipal BALANCE

as at

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Russell	St. Catharines	St. Clair Beach	St. George	St. Jacobs
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....	...	317,976.73	...	...	...
Substation equipment.....	...	501,376.09	...	...	...
Distribution system, overhead....	16,302.85	632,865.75	23,558.61	13,767.32	16,910.32
Distribution system, underground.	...	...	...	...	...
Line transformers.....	5,400.87	486,771.67	9,985.07	9,840.02	11,992.94
Meters.....	4,118.22	356,767.85	6,077.83	5,705.54	5,358.46
Street light equipment, regular....	1,573.39	68,337.88	1,966.51	2,309.53	560.54
Miscellaneous construction expense	277.85	39,489.65	647.00	185.50	12.25
Steam or hydraulic plant.....	...	...	...	...	...
Old plant.....	...	...	...	...	...
Other capital assets.....	...	...	...	...	...
Total plant.....	27,673.18	2,403,585.62	42,235.02	31,807.91	34,834.51
Less reserve for depreciation.....	3,240.49	489,321.00	10,136.62	4,752.91	7,346.75
	24,432.69	1,914,264.62	32,098.40	27,055.00	27,487.76
Bank and cash balance.....	5,330.60	225.00	10,363.18	4,805.32	3,082.98
Securities and investments.....	8,000.00	...	...	12,000.00	2,000.00
Accounts receivable.....	1,306.99	136,940.63	1,184.83	1,232.85	822.98
Inventories.....	...	51,815.38	...	...	...
Sinking fund on local debentures..	...	...	...	...	...
Other assets.....	...	3,822.25	...	40.50	10.00
Frequency standardization expendi- ture in suspense.....	...	...	2,228.41	...	4,487.88
	39,070.28	2,107,067.88	45,874.82	45,133.67	37,891.60
Equity in H-E.P.C. systems.....	15,042.52	2,115,423.04	18,754.78	34,567.25	44,167.50
Total.....	54,112.80	4,222,490.92	64,629.60	79,700.92	82,059.10
LIABILITIES					
Debenture balance.....	...	...	12,000.00	...	...
Accounts payable.....	21.10	142,406.88	521.63	131.62	235.60
Bank overdraft.....	...	101,343.13	...	...	...
Other liabilities.....	125.00	36,243.50	210.00	693.81	...
Total liabilities.....	146.10	279,993.51	12,731.63	825.43	235.60
RESERVES					
For equity in H-E.P.C. systems....	15,042.52	2,115,423.04	18,754.78	34,567.25	44,167.50
Other reserves.....	...	3,203.67	834.74	...	...
	15,042.52	2,118,626.71	19,589.52	34,567.25	44,167.50
SURPLUS					
Debentures paid.....	8,808.12	302,022.91	6,341.45	6,000.00	6,000.00
Local sinking fund.....	...	...	...	...	...
Operating surplus.....	30,116.06	1,543,698.96	26,094.17	38,308.24	31,656.00
Net frequency standardization ex- pense charged this year.....	...	21,851.17	127.17	...	...
Total surplus.....	38,924.18	1,823,870.70	32,308.45	44,308.24	37,656.00
Total.....	54,112.80	4,222,490.92	64,629.60	79,700.92	82,059.10

## Electrical Utilities

## SHEETS

December 31, 1954

St. Mary's	St. Thomas	Sarnia	Scarborough Twp.	Seaforth	Shelburne	Simcoe
\$	\$	\$	\$	\$	\$	\$
21,785.27	196,889.33	229,491.67	652,519.53	3,027.80	800.00	12,918.89
46,554.67	181,166.44	499,357.42	689,549.29	22,323.51	566.60	76,404.80
115,467.36	238,549.88	735,620.91	3,034,550.21	57,926.94	38,120.03	124,108.73
...	104,007.02	261,816.63	...	...	...	1,412.24
68,816.61	153,660.64	356,858.60	1,593,504.60	31,387.37	21,132.46	116,115.81
41,330.55	108,505.82	335,856.96	792,843.18	20,889.27	13,773.70	67,784.87
10,910.43	47,531.89	85,063.19	156,604.68	9,315.65	10,212.56	49,126.14
13,182.53	25,125.86	79,732.97	289,666.53	2,613.43	90.43	14,907.32
...	...	...	...	...	...	...
...	...	...	72,636.98	...	...	...
...	...	...	...	...	...	...
318,047.42	1,055,436.88	2,583,798.35	7,281,875.00	147,483.97	84,695.78	462,778.80
86,000.40	326,975.05	497,585.13	472,735.86	14,434.16	24,278.86	110,797.84
232,047.02	728,461.83	2,086,213.22	6,809,139.14	133,049.81	60,416.92	351,980.96
36,127.80	300.00	600.00	893,692.16	20,383.13	2,000.48	12,301.46
22,500.00	30,000.00	...	127,500.00	9,000.00	...	...
2,580.63	45,004.52	128,789.55	1,137,523.84	4,870.06	1,072.61	5,847.50
8,273.78	47,908.86	113,614.22	129,157.66	333.33	...	16,595.30
...	...	...	...	...	...	...
315.78	872.10	20,271.27	8,376.27	213.70	220.00	506.51
...	13,710.10	...	...	...	...	4,487.43
301,845.01	866,257.41	2,349,488.26	9,105,389.07	167,850.03	63,710.01	391,719.16
316,632.32	1,221,549.49	1,672,957.02	852,225.87	152,280.24	51,526.34	316,222.59
618,477.33	2,087,806.90	4,022,445.28	9,957,614.94	320,130.27	115,236.35	707,941.75
66,096.67	...	352,400.00	5,392,000.00	38,132.52	...	...
14.00	...	345,670.97	1,341,759.73	1,414.14	...	4,950.79
...	1,655.83	110,346.37	...	...	...	...
2,089.00	31,466.30	36,527.41	428,568.84	2,051.74	101.00	5,259.46
68,199.67	33,122.13	844,944.75	7,162,328.57	41,598.40	101.00	10,210.25
316,632.32	1,221,549.49	1,672,957.02	852,225.87	152,280.24	51,526.34	316,222.59
701.02	311.06	22,324.38	31,670.59	...	...	...
317,333.34	1,221,860.55	1,695,281.40	883,896.46	152,280.24	51,526.34	316,222.59
128,163.71	138,944.07	435,600.00	530,640.92	36,867.48	16,991.04	75,434.90
104,780.61	693,880.15	1,046,619.13	1,380,748.99	89,384.15	46,617.97	306,074.01
...	...	...	...	...	...	...
232,944.32	832,824.22	1,482,219.13	1,911,389.91	126,251.63	63,609.01	381,508.91
618,477.33	2,087,806.90	4,022,445.28	9,957,614.94	320,130.27	115,236.35	707,941.75

## Municipal

## BALANCE

as at

## SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Smith's Falls	Smithville	Southamp- ton	Spring- field	Stamford Twp.
ASSETS	\$	\$	\$	\$	\$
Lands and buildings.....	66,402.03	...	6,543.69	...	35,735.48
Substation equipment.....	93,690.80	...	489.85	...	183,712.16
Distribution system, overhead....	176,879.52	20,053.84	56,702.94	16,130.45	594,659.72
Distribution system, underground.	...	...	...	...	...
Line transformers.....	90,197.49	8,646.16	30,433.43	7,299.79	290,911.26
Meters.....	65,887.93	7,491.74	20,322.28	3,024.77	200,639.57
Street light equipment, regular....	37,196.80	1,871.10	9,195.42	1,982.82	43,858.39
Miscellaneous construction expense	5,271.18	1,475.79	2,652.92	80.61	40,856.58
Steam or hydraulic plant.....	...	...	...	...	...
Old plant.....	...	...	...	...	...
Other capital assets.....	25.50	...	...	...	...
Total plant.....	535,551.25	39,538.63	126,340.53	28,518.44	1,390,373.16
Less reserve for depreciation.....	124,898.67	8,796.40	10,841.30	7,519.00	208,718.60
	410,652.58	30,742.23	115,499.23	20,999.44	1,181,654.56
Bank and cash balance.....	822.67	4,320.32	2,607.12	7,184.53	144,514.20
Securities and investments.....	17,000.00	11,500.00	...	500.00	8,000.00
Accounts receivable.....	1,261.70	114.28	363.85	196.69	10,981.20
Inventories.....	12,047.03	393.50	1,999.75	...	37,589.25
Sinking fund on local debentures..	...	...	...	...	...
Other assets.....	...	...	...	...	1,935.40
Frequency standardization expendi- ture in suspense.....	...	...	...	...	...
	441,783.98	47,070.33	120,469.95	28,880.66	1,384,674.61
Equity in H-E.P.C. systems.....	305,200.21	15,028.73	51,041.83	21,154.32	311,260.29
Total.....	746,984.19	62,099.06	171,511.78	50,034.98	1,695,934.90
LIABILITIES					
Debenture balance.....	22,500.00	...	...	...	752,483.61
Accounts payable.....	11,811.71	43.98	519.09	229.20	4,478.50
Bank overdraft.....	...	...	...	...	...
Other liabilities.....	535.34	101.00	10,329.17	40.00	12,441.46
Total liabilities.....	34,847.05	144.98	10,848.26	269.20	769,403.57
RESERVES					
For equity in H-E.P.C. systems....	305,200.21	15,028.73	51,041.83	21,154.32	311,260.29
Other reserves.....	1,061.05	...	...	13.86	26,741.39
	306,261.26	15,028.73	51,041.83	21,168.18	338,001.68
SURPLUS					
Debentures paid.....	125,287.33	15,000.00	30,522.93	9,500.00	312,794.56
Local sinking fund.....	...	...	...	...	...
Operating surplus.....	280,588.55	31,925.35	79,098.76	19,097.60	293,016.87
Net frequency standardization ex- pense charged this year.....	...	...	...	...	17,281.78
Total surplus.....	405,875.88	46,925.35	109,621.69	28,597.60	588,529.65
Total.....	746,984.19	62,099.06	171,511.78	50,034.98	1,695,934.90

## Electrical Utilities

## SHEETS

December 31, 1954

Stayner	Stirling	Stoney Creek	Stouffville	Stratford	Strathroy	Streetsville
\$	\$	\$	\$	\$	\$	\$
...	9,266.88	...	...	158,359.64	15,029.34	12,960.05
...	33,825.83	...	...	338,572.52	73,649.80	1,172.04
37,189.26	15,698.44	84,377.37	35,802.17	249,604.76	84,888.49	64,459.61
...	...	...	...	22,971.15	...	...
18,238.58	11,595.76	68,326.00	29,461.04	214,497.77	56,678.78	31,698.59
14,459.30	10,958.47	32,994.40	13,942.98	155,791.37	31,451.45	14,914.76
7,829.39	3,559.79	8,474.27	2,829.09	38,566.83	10,159.65	5,892.68
524.76	1,324.70	1,539.69	370.82	47,429.65	14,461.56	1,271.43
...	...	...	...	...	...	10,641.55
...	...	...	...	...	...	...
...	...	...	...	...	...	...
78,241.29	86,229.87	195,711.73	82,406.10	1,225,793.69	286,319.07	143,010.71
12,317.44	27,076.24	13,443.96	12,239.49	504,402.75	73,148.46	11,430.07
65,923.85	59,153.63	182,267.77	70,166.61	721,390.94	213,170.61	131,580.64
5,590.86	19,181.79	3,554.23	7,124.41	12,356.24	90.00	15.00
1,000.00	...	...	...	180,000.00	...	...
768.64	1,880.76	138.61	106.33	23,389.35	3,903.84	1,722.16
...	1,640.65	...	267.75	48,705.09	608.54	378.00
...	...	...	...	...	...	...
...	...	...	...	4,138.28	232.96	162.97
...	...	...	...	...	...	...
...	...	435.16	...	...	...	293.00
73,283.35	81,856.83	186,395.77	77,665.10	989,979.90	218,005.95	134,151.77
45,880.36	30,365.90	16,695.76	54,849.51	1,394,465.11	229,207.26	27,180.28
119,163.71	112,222.73	203,091.53	132,514.61	2,384,445.01	447,213.21	161,332.05
2,772.51	12,585.56	69,735.18	13,876.25	2,272.04	6,305.26	46,921.41
...	1,549.71	8,366.43	...	13,783.58	394.93	4,442.07
5,306.18	454.93	863.00	1,828.05	11,356.24	2,253.69	1,317.69
8,078.69	14,590.20	78,964.61	15,704.30	27,411.86	8,953.88	52,681.17
45,880.36	30,365.90	16,695.76	54,849.51	1,394,465.11	229,207.26	27,180.28
25.20	...	1,521.27	50.96	2,461.38	121.05	128.81
45,905.56	30,365.90	18,217.03	54,900.47	1,396,926.49	229,328.31	27,309.09
9,557.26	10,414.44	10,264.82	14,673.90	455,800.00	53,888.85	17,545.08
55,622.20	56,852.19	95,645.07	47,235.94	573,394.49	155,042.17	63,796.71
...	...	...	...	69,087.83	...	...
65,179.46	67,266.63	105,909.89	61,909.84	960,106.66	208,931.02	81,341.79
119,163.71	112,222.73	203,091.53	132,514.61	2,384,445.01	447,213.21	161,332.05

**Municipal  
BALANCE  
as at**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Sunder- land	Sundridge	Sutton	Swansea	Tara
<b>ASSETS</b>	\$	\$	\$	\$	\$
Lands and buildings .....	...	...	...	6,383.14	...
Substation equipment .....	...	...	...	88,195.10	...
Distribution system, overhead .....	14,160.75	21,030.12	40,138.73	165,496.57	18,778.27
Distribution system, underground .....	...	...	...	...	...
Line transformers .....	5,913.32	10,632.09	31,582.01	84,652.46	5,920.04
Meters .....	5,075.41	4,182.14	20,223.85	61,527.29	4,767.10
Street light equipment, regular .....	2,426.37	1,704.64	3,697.93	26,950.36	2,782.30
Miscellaneous construction expense .....	756.07	2,329.14	1,508.68	16,621.33	70.76
Steam or hydraulic plant .....	...	...	...	...	...
Old plant .....	...	8,813.49	...	...	...
Other capital assets .....	...	...	...	...	...
Total plant .....	28,331.92	48,691.62	97,151.20	449,826.25	32,318.47
Less reserve for depreciation .....	5,725.98	3,644.00	21,192.82	65,424.38	6,572.91
	22,605.94	45,047.62	75,958.38	384,401.87	25,745.56
Bank and cash balance .....	6,064.00	4,786.34	1,965.65	122,907.99	4,063.47
Securities and investments .....	...	...	7,000.00	...	6,000.00
Accounts receivable .....	185.08	1,147.48	3,205.10	4,011.35	258.60
Inventories .....	...	...	...	96.92	...
Sinking fund on local debentures .....	...	...	...	...	...
Other assets .....	...	...	...	251.89	...
Frequency standardization expenditure in suspense .....	...	...	...	...	...
	28,855.02	50,981.44	88,129.13	511,670.02	36,067.63
Equity in H-E.P.C. systems .....	25,525.43	967.08	51,770.98	275,374.35	22,750.31
Total .....	54,380.45	51,948.52	139,900.11	787,044.37	58,817.94
<b>LIABILITIES</b>					
Debenture balance .....	...	32,830.09	...	140,726.46	...
Accounts payable .....	...	129.20	701.65	2,279.80	89.15
Bank overdraft .....	...	...	...	...	...
Other liabilities .....	75.00	10.00	15.00	7,183.13	...
Total liabilities .....	75.00	32,969.29	716.65	150,189.39	89.15
<b>RESERVES</b>					
For equity in H-E.P.C. systems .....	25,525.43	967.08	51,770.98	275,374.35	22,750.31
Other reserves .....	10.37	...	148.87	345.59	...
	25,535.80	967.08	51,919.85	275,719.94	22,750.31
<b>SURPLUS</b>					
Debentures paid .....	4,627.78	2,169.91	25,325.00	111,940.50	14,263.64
Local sinking fund .....	...	...	...	...	...
Operating surplus .....	24,141.87	15,842.24	61,938.61	249,194.54	21,714.84
Net frequency standardization expense charged this year .....	...	...	...	...	...
Total surplus .....	28,769.65	18,012.15	87,263.61	361,135.04	35,978.48
Total .....	54,380.45	51,948.52	139,900.11	787,044.37	58,817.94

## Electrical Utilities

## SHEETS

December 31, 1954

Tavistock	Tecumseh	Teeswater	Thamesford	Thamesville	Thedford	Thornbury
\$	\$	\$	\$	\$	\$	\$
3,783.53	3,747.52	2,139.28	...	1,083.57	...	4,304.73
3,950.18						33,806.01
32,954.54	81,757.88	31,962.80	18,103.87	27,438.98	18,790.03	27,547.89
19,816.05	38,517.19	11,280.69	8,713.44	20,074.35	10,766.31	10,742.34
12,765.85	27,964.29	8,552.71	6,543.31	9,158.20	6,356.32	2,865.12
1,571.58		4,404.10	995.60	3,109.18	3,116.97	578.58
6,458.47	1,531.04	226.80	69.05	308.60	423.10	36,000.00
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
81,300.20	153,517.92	58,566.38	34,425.27	61,172.88	39,452.73	115,844.67
20,335.22	40,428.63	10,843.21	6,503.03	18,231.09	3,974.80	8,350.64
60,964.98	113,089.29	47,723.17	27,922.24	42,941.79	35,477.93	107,494.03
257.77	50.00	5,476.08	163.25	9,419.72	4,719.72	825.19
352.64	5,246.91	11,000.00	...	3,000.00	8,000.00	4,105.97
311.70	1,386.20	75.51	125.71	932.07	397.20	33.36
...	...	...	...	...	...	200.00
34.74	...	...	...	...	...	...
...	12,478.03	...	...	...	...	...
61,921.83	132,250.43	64,274.76	28,211.20	56,293.58	48,594.85	112,658.55
112,072.14	75,163.91	33,333.56	43,771.59	45,722.67	26,669.89	6,867.29
173,993.97	207,414.34	97,608.32	71,982.79	102,016.25	75,264.74	119,525.84
18,629.83	...	...	2,700.00	...	...	31,929.29
5,933.60	1,106.38	3,124.24	310.00	137.40	...	...
...	7,001.37	...	...	1,013.94	231.33	285.00
...	1,267.52	34.00	153.97	...	...	...
24,563.43	9,375.27	3,158.24	3,163.97	1,151.34	231.33	32,214.29
112,072.14	75,163.91	33,333.56	43,771.59	45,722.67	26,669.89	6,867.29
858.46	494.01	...	18.56	137.92	...	...
112,930.60	75,657.92	33,333.56	43,790.15	45,860.59	26,669.89	6,867.29
7,370.17	26,000.00	21,296.14	5,658.03	11,187.80	16,500.00	54,070.71
29,179.09	96,694.08	39,820.38	19,370.64	43,816.52	31,863.52	26,373.55
49.32	312.93	...	...	...	...	...
36,499.94	122,381.15	61,116.52	25,028.67	55,004.32	48,363.52	80,444.26
173,993.97	207,414.34	97,608.32	71,982.79	102,016.25	75,264.74	119,525.84

**Municipal  
BALANCE  
as at**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Thorndale	Thornton	Thorold	Tilbury	Tillson- burg
<b>ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Lands and buildings .....	...	...	19,587.03	11,987.47	30,585.55
Substation equipment.....	...	...	63,111.52	...	76,264.65
Distribution system, overhead .....	11,837.01	8,677.40	143,272.68	46,320.81	115,838.67
Distribution system, underground .....	...	...	...	...	...
Line transformers.....	4,199.63	3,203.16	79,594.60	33,219.87	94,138.32
Meters .....	3,862.45	1,972.58	65,651.65	19,425.29	52,801.24
Street light equipment, regular.....	967.27	560.01	18,067.69	19,131.17	41,335.88
Miscellaneous construction expense .....	73.13	...	15,767.74	958.93	16,322.45
Steam or hydraulic plant.....	...	...	...	...	...
Old plant.....	...	...	...	...	...
Other capital assets.....	...	...	...	...	...
Total plant.....	20,939.49	14,413.15	405,052.91	131,043.54	427,286.76
Less reserve for depreciation.....	5,917.48	8,232.39	58,070.97	41,344.72	42,001.01
	15,022.01	6,180.76	346,981.94	89,698.82	385,285.75
Bank and cash balance.....	3,423.03	2,040.72	2,772.81	5,386.06	56,787.07
Securities and investments.....	1,000.00	...	...	10,000.00	...
Accounts receivable.....	909.31	205.80	7,932.98	799.48	808.99
Inventories.....	...	...	11,585.54	...	4,775.35
Sinking fund on local debentures .....	...	...	...	...	...
Other assets.....	...	...	251.51	299.48	381.66
Frequency standardization expendi- ture in suspense.....	...	...	...	...	...
	20,354.35	8,427.28	369,524.78	106,183.84	448,038.82
Equity in H-E.P.C. systems.....	21,294.56	8,391.26	311,449.52	140,677.35	237,441.37
Total.....	41,648.91	16,818.54	680,974.30	246,861.19	685,480.19
<b>LIABILITIES</b>					
Debenture balance.....	...	...	56,088.79	...	156,257.19
Accounts payable.....	22.67	...	28,422.79	2,472.31	...
Bank overdraft.....	...	...	...	...	...
Other liabilities.....	6.00	65.00	4,436.50	69.33	8,104.83
Total liabilities.....	28.67	65.00	88,948.08	2,541.64	164,362.02
<b>RESERVES</b>					
For equity in H-E.P.C. systems .....	21,294.56	8,391.26	311,449.52	140,677.35	237,441.37
Other reserves.....	27.73	...	2,114.00	123.97	3,206.89
	21,322.29	8,391.26	313,563.52	140,801.32	240,648.26
<b>SURPLUS</b>					
Debentures paid.....	3,086.48	7,199.65	8,911.21	14,000.00	59,742.81
Local sinking fund.....	...	...	...	...	...
Operating surplus.....	17,211.47	1,162.63	275,209.90	89,518.23	220,727.10
Net frequency standardization ex- pense charged this year.....	...	...	5,658.41	...	...
Total surplus.....	20,297.95	8,362.28	278,462.70	103,518.23	280,469.91
Total.....	41,648.91	16,818.54	680,974.30	246,861.19	685,480.19

## Electrical Utilities

## SHEETS

December 31, 1954

Toronto	Toronto Twp.	Tottenham	Trafalgar Twp.	Trenton	Tweed	Uxbridge
\$	\$	\$	\$	\$	\$	\$
8,523,777.62	129,787.13	...	20,267.20	6,604.06	...	...
23,202,507.70	242,300.27	...	11,680.07	88,479.33	...	2,657.65
10,535,078.16	1,088,306.00	15,303.16	238,040.11	248,175.67	68,969.68	39,850.80
7,349,547.97	23,880.94	...	...	...	...	...
10,153,829.15	476,617.07	6,081.38	105,117.84	94,534.60	23,178.03	19,386.73
4,498,201.93	281,210.38	5,252.19	52,749.92	86,119.91	11,800.74	15,166.13
1,526,453.72	141,305.56	3,273.53	579.11	45,928.42	9,684.36	10,614.99
4,164,780.13	185,077.57	458.27	34,599.69	8,449.38	96.00	294.23
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
69,954,176.38	2,568,484.92	30,368.53	463,033.94	578,291.37	113,728.81	87,970.53
23,395,340.40	261,533.36	4,861.90	9,752.92	167,832.44	8,059.94	16,644.57
46,558,835.98	2,306,951.56	25,506.63	453,281.02	410,458.93	105,668.87	71,325.96
260,920.78	289,404.36	4,025.00	50.00	35,665.68	2,937.40	15,534.22
8,445,245.50	8,000.00	...	...	65,000.00	19,500.00	12,500.00
3,712,791.36	99,027.19	1,005.92	6,622.80	6,073.44	523.73	260.40
2,494,051.60	55,281.11	...	21,527.21	16,605.01	854.13	5,386.01
...	...	...	...	...	...	...
320,259.96	755.56	...	801.43	428.38	600.00	...
...	...	...	...	...	...	...
61,792,105.18	2,759,419.78	30,537.55	482,282.46	534,231.44	130,084.13	105,006.59
51,106,139.53	459,832.41	27,410.27	60,164.13	340,737.54	38,226.90	58,047.45
112,898,244.71	3,219,252.19	57,947.82	542,446.59	874,968.98	168,311.03	163,054.04
8,150,000.00	1,419,296.36	6,522.15	253,909.05	...	...	...
2,633,437.54	209,337.92	...	475.79	...	1,260.83	736.12
...	...	...	37,497.25	...	...	...
243,856.24	20,507.54	438.25	6,572.29	9,086.55	408.00	1,411.58
11,027,293.78	1,649,141.82	6,960.40	298,454.38	9,086.55	1,668.83	2,147.70
51,106,139.53	459,832.41	27,410.27	60,164.13	340,737.54	38,226.90	58,047.45
5,665,933.60	33,780.92	...	996.02	...	72.23	210.78
56,772,073.13	493,613.33	27,410.27	61,160.15	340,737.54	38,299.13	58,258.23
29,290,934.57	209,703.70	14,912.82	52,378.51	164,586.70	19,000.00	15,364.09
15,807,943.23	866,793.34	8,664.33	130,453.55	360,558.19	109,343.07	87,284.02
...	...	...	...	...	...	...
45,098,877.80	1,076,497.04	23,577.15	182,832.06	525,144.89	128,343.07	102,648.11
112,898,244.71	3,219,252.19	57,947.82	542,446.59	874,968.98	168,311.03	163,054.04

**Municipal  
BALANCE  
as at**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Vankleek Hill	Victoria Harbour	Walkerton	Wallace- burg	Wardsville
	\$	\$	\$	\$	\$
<b>ASSETS</b>					
Lands and buildings.....	...	...	47.92	78,595.20	...
Substation equipment.....	...	...	...	189,975.43	...
Distribution system, overhead.....	47,207.18	22,149.01	79,014.63	190,461.76	10,178.03
Distribution system, underground.....	...	...	...	...	...
Line transformers.....	10,993.92	5,874.63	48,126.82	119,766.54	4,868.67
Meters.....	9,878.45	7,705.17	30,632.45	63,436.98	2,749.89
Street light equipment, regular.....	2,168.52	694.94	12,878.70	26,784.72	662.94
Miscellaneous construction expense.....	1,685.80	90.01	5,568.16	16,728.29	44.67
Steam or hydraulic plant.....	...	...	...	...	...
Old plant.....	...	...	...	...	...
Other capital assets.....	...	...	...	...	...
Total plant.....	71,933.87	36,513.76	176,268.68	685,748.92	18,504.20
Less reserve for depreciation.....	15,135.50	8,608.75	16,549.51	149,867.89	4,329.28
	56,798.37	27,905.01	159,719.17	535,881.03	14,174.92
Bank and cash balance.....	3,226.37	...	12,103.46	75.00	741.18
Securities and investments.....	...	...	34,500.00	42,000.00	1,500.00
Accounts receivable.....	3,804.56	922.38	964.80	14,712.61	861.87
Inventories.....	...	...	12,282.52	40,962.00	...
Sinking fund on local debentures.....	...	...	...	...	...
Other assets.....	...	110.00	...	2,328.00	...
Frequency standardization expenditure in suspense.....	...	...	...	...	...
	63,829.30	28,937.39	219,569.95	635,958.64	17,277.97
Equity in H-E.P.C. systems.....	507.39	16,933.37	84,242.56	580,360.46	10,541.95
Total.....	64,336.69	45,870.76	303,812.51	1,216,319.10	27,819.92
<b>LIABILITIES</b>					
Debenture balance.....	44,600.00	...	...	...	...
Accounts payable.....	2,840.28	4,002.59	69.05	238.88	...
Bank overdraft.....	...	484.28	...	30,968.01	...
Other liabilities.....	...	...	1,795.62	5,025.51	30.00
Total liabilities.....	47,440.28	4,486.87	1,864.67	36,232.40	30.00
<b>RESERVES</b>					
For equity in H-E.P.C. systems.....	507.39	16,933.37	84,242.56	580,360.46	10,541.95
Other reserves.....	2,025.00	...	26.85	3,813.25	25.22
	2,532.39	16,933.37	84,269.41	584,173.71	10,567.17
<b>SURPLUS</b>					
Debentures paid.....	1,400.00	5,878.70	56,748.57	71,536.58	7,562.40
Local sinking fund.....	...	...	...	...	...
Operating surplus.....	12,964.02	18,571.82	160,929.86	526,868.17	9,660.35
Net frequency standardization expense charged this year.....	...	...	...	2,491.76	...
Total surplus.....	14,364.02	24,450.52	217,678.43	595,912.99	17,222.75
Total.....	64,336.69	45,870.76	303,812.51	1,216,319.10	27,819.92

## Electrical Utilities

## SHEETS

December 31, 1954

Warkworth	Wasaga Beach	Waterdown	Waterford	Waterloo	Watford	Waubauskene
\$	\$	\$	\$	\$	\$	\$
...	...	200.00	1,410.39	41,022.38	19,090.90	...
9,550.93	63,298.90	39,744.34	27,761.77	323,153.63	22,164.66	13,997.78
5,192.82	28,180.00	21,001.18	20,623.34	335,080.43	11,175.37	5,908.90
4,174.98	21,865.42	11,899.09	14,577.19	193,775.57	10,405.58	5,697.51
767.01	993.00	3,034.34	3,849.81	100,881.31	2,880.39	613.97
609.19	3,409.08	1,620.24	1,022.00	48,748.37	1,720.53	...
3,618.02	...	...	...	21,688.68	...	...
...	8,759.70	...	...	...	...	...
23,912.95	126,506.10	77,499.19	69,244.50	1,064,350.37	67,437.43	26,218.16
6,899.83	25,498.00	20,157.33	20,640.70	248,923.36	19,024.48	5,735.65
17,013.12	101,008.10	57,341.86	48,603.80	815,427.01	48,412.95	20,482.51
4,231.86	4,000.78	4,450.07	2,735.56	4,397.45	6,037.50	1,191.22
3,000.00	...	...	10,000.00	...	8,000.00	...
70.21	26,697.84	709.46	362.61	29,731.52	2,898.69	1,046.07
...	...	...	...	42,580.62	598.88	...
...	6,282.35	141.02	69.54	1,318.89	946.13	15.87
...	...	6,850.72	...	70,564.25	...	...
24,315.19	137,989.07	69,493.13	61,771.51	964,019.74	66,894.15	22,735.67
11,908.59	...	54,970.02	79,550.15	736,261.43	66,930.49	14,187.55
36,223.78	137,989.07	124,463.15	141,321.66	1,700,281.17	133,824.64	36,923.22
...	110,000.00	14,500.00	...	489,500.00	...	...
216.49	1,405.05	390.19	571.22	12,383.11	173.79	...
93.68	...	184.28	411.26	10,230.00	517.10	...
310.17	111,405.05	15,074.47	982.47	512,113.11	690.89	...
11,908.59	...	54,970.02	79,550.15	736,261.43	66,930.49	14,187.55
...	4,625.00	204.16	...	4,096.67	...	175.00
11,908.59	4,625.00	55,174.18	79,550.15	740,358.10	66,930.49	14,362.55
11,000.00	...	8,500.00	7,745.53	141,500.00	9,055.77	3,242.34
13,005.02	21,959.02	45,714.50	53,043.50	306,309.96	57,147.49	19,318.33
...	...	...	...	...	...	...
24,005.02	21,959.02	54,214.50	60,789.03	447,809.96	66,203.26	22,560.67
36,223.78	137,989.07	124,463.15	141,321.66	1,700,281.17	133,824.64	36,923.22

**Municipal  
BALANCE  
as at**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Welland	Wellesley	Wellington	West Lorne
	\$	\$	\$	\$
<b>ASSETS</b>				
Lands and buildings.....	105,659.89	...	240.25	22,715.56
Substation equipment.....	147,095.86	...	...	...
Distribution system, overhead.....	302,733.19	13,773.38	20,076.53	24,059.36
Distribution system, underground.....	9,495.59	...	...	...
Line transformers.....	217,743.01	7,214.84	15,161.95	17,277.25
Meters.....	144,187.94	6,164.76	11,995.55	9,251.63
Street light equipment, regular.....	54,854.41	1,184.54	4,675.17	5,431.97
Miscellaneous construction expense.....	19,745.29	1,226.49	1,020.78	400.41
Steam or hydraulic plant.....	...	...	...	...
Old plant.....	...	...	...	...
Other capital assets.....	...	...	...	...
Total plant.....	1,001,515.18	29,564.01	53,170.23	79,136.18
Less reserve for depreciation.....	327,442.79	7,447.63	21,386.90	19,815.43
	674,072.39	22,116.38	31,783.33	59,320.75
Bank and cash balance.....	14,170.17	177.12	4,358.50	3,027.73
Securities and investments.....	72,000.00	1,000.00	19,000.00	...
Accounts receivable.....	10,210.02	112.45	245.55	778.90
Inventories.....	27,288.01	...	2,177.86	1,471.11
Sinking fund on local debentures.....	...	...	...	...
Other assets.....	981.39	...	...	40.00
Frequency standardization expenditure in suspense.....	909.00	5,372.52	...	...
	799,630.98	28,778.47	57,565.24	64,638.49
Equity in H-E.P.C. systems.....	922,511.55	36,821.18	31,489.59	67,516.16
Total.....	1,722,142.53	65,599.65	89,054.83	132,154.65
<b>LIABILITIES</b>				
Debenture balance.....	...	...	...	36.79
Accounts payable.....	5,167.72	1,520.83	1,583.64	...
Bank overdraft.....	...	...	...	...
Other liabilities.....	20,233.50	20.00	228.07	113.01
Total liabilities.....	25,401.22	1,540.83	1,811.71	149.80
<b>RESERVES</b>				
For equity in H-E.P.C. systems.....	922,511.55	36,821.18	31,489.59	67,516.16
Other reserves.....	1,528.58	...	...	65.12
	924,040.13	36,821.18	31,489.59	67,581.28
<b>SURPLUS</b>				
Debentures paid.....	275,000.00	7,500.00	13,816.12	8,000.00
Local sinking fund.....	...	...	...	...
Operating surplus.....	498,575.85	19,737.64	41,937.41	56,423.57
Net frequency standardization expense charged this year.....	874.67	...	...	...
Total surplus.....	772,701.18	27,237.64	55,753.53	64,423.57
Total.....	1,722,142.53	65,599.65	89,054.83	132,154.65

## Electrical Utilities

## SHEETS

December 31, 1954

Weston	Westport	Wheatley	Whitby	Warton	Williams- burg	Winchester
\$	\$	\$	\$	\$	\$	\$
38,809.09	...	1,057.26	93,988.04	3,577.72	...	299.85
117,738.83	...	...	56,030.80	333.57	...	...
224,561.54	12,120.52	45,473.06	157,211.77	44,330.75	9,085.56	30,331.14
149,395.18	7,762.42	24,144.05	58,992.08	22,091.74	4,864.35	17,022.72
67,316.10	4,822.79	10,707.03	52,548.72	16,468.15	3,156.90	11,463.44
22,168.62	1,704.34	10,000.44	21,873.72	9,899.43	1,699.78	3,233.36
17,641.60	326.87	1,124.42	11,712.34	2,676.09	51.94	120.00
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
637,630.96	26,736.94	92,506.26	452,357.47	99,377.45	18,858.53	62,470.51
119,397.77	4,135.15	13,912.07	92,897.04	8,607.65	2,847.85	13,350.98
518,233.19	22,601.79	78,594.19	359,460.43	90,769.80	16,010.68	49,119.53
122,915.07	2,528.20	7,995.03	802.67	9,257.42	2,890.36	11,828.36
...	5,000.00	...	10,000.00	12,000.00	15,000.00	...
5,794.97	...	398.18	6,125.75	860.30	208.09	672.93
22,276.61	...	153.50	14,537.30	1,400.63	43.40	...
...	...	...	...	...	...	...
461.30	...	9.60	102.84	...	...	15,471.64
50,302.96	...	8,616.80	...	...	...	...
719,984.10	30,129.99	95,767.30	391,028.99	114,288.15	34,152.53	77,092.46
626,107.88	17,006.00	42,040.95	163,788.36	50,841.44	15,850.66	55,055.53
1,346,091.98	47,135.99	137,808.25	554,817.35	165,129.59	50,003.19	132,147.99
130,500.00	...	35,591.34	...	...	...	20,000.00
98,441.15	324.00	30.22	43,531.18	...	...	...
7,845.55	299.90	135.00	3,122.38	172.21	328.43	10.00
236,786.70	623.90	35,756.56	46,653.56	172.21	328.43	20,010.00
626,107.88	17,006.00	42,040.95	163,788.36	50,841.44	15,850.66	55,055.53
584.00	...	44.30	...	22.81	310.82	...
626,691.88	17,006.00	42,085.25	163,788.36	50,864.25	16,161.48	55,055.53
86,032.44	15,000.00	16,408.66	76,612.50	37,400.00	2,750.00	9,206.06
396,580.96	14,506.09	43,557.78	267,762.93	76,693.13	30,763.28	47,876.40
...	...	...	...	...	...	...
482,613.40	29,506.09	59,966.44	344,375.43	114,093.13	33,513.28	57,082.46
1,346,091.98	47,135.99	137,808.25	554,817.35	165,129.59	50,003.19	132,147.99

**Municipal  
BALANCE  
as at**

**SOUTHERN ONTARIO SYSTEM—Concluded**

Municipality.....	Winder- mere	Windsor	Wingham	Woodbridge
<b>ASSETS</b>	\$	\$	\$	\$
Lands and buildings.....	...	688,998.19	28,002.65	...
Substation equipment.....	...	1,805,922.62	7,318.18	...
Distribution system, overhead.....	12,657.70	2,297,134.70	69,407.51	53,251.13
Distribution system, underground.....	...	704,254.84	...	...
Line transformers.....	9,499.31	858,371.50	29,940.97	26,000.82
Meters.....	2,466.64	941,482.97	29,460.57	15,770.05
Street light equipment, regular.....	521.45	104,346.59	13,520.05	4,592.90
Miscellaneous construction expense.....	131.85	143,099.09	9,086.47	14.20
Steam or hydraulic plant.....	...	...	14,711.99	...
Old plant.....	...	...	...	...
Other capital assets.....	...	...	...	...
Total plant.....	25,276.95	7,543,610.50	201,448.39	99,629.10
Less reserve for depreciation.....	7,068.81	2,666,617.69	57,740.17	22,200.48
	18,208.14	4,876,992.81	143,708.22	77,428.62
Bank and cash balance.....	9,317.83	98,433.41	29,006.29	1,135.07
Securities and investments.....	400.00	2,074,729.74	35,000.00	...
Accounts receivable.....	125.44	488,984.50	235.49	2.00
Inventories.....	...	491,695.76	12,415.72	...
Sinking fund on local debentures.....	...	138,400.56	...	...
Other assets.....	72.40	515.30	38.58	...
Frequency standardization expenditure in suspense.....	...	594,327.99	...	...
	28,123.81	8,764,080.07	220,404.30	78,565.69
Equity in H-E.P.C. systems.....	8,015.15	8,327,631.97	112,766.22	100,231.78
Total.....	36,138.96	17,091,712.04	333,170.52	178,797.47
<b>LIABILITIES</b>				
Debtenture balance.....	...	190,000.00	...	...
Accounts payable.....	4,711.22	248,802.82	...	11,813.56
Bank overdraft.....	...	...	...	...
Other liabilities.....	...	150,011.09	2,530.15	1,341.79
Total liabilities.....	4,711.22	588,813.91	2,530.15	13,155.35
<b>RESERVES</b>				
For equity in H-E.P.C. systems.....	8,015.15	8,327,631.97	112,766.22	100,231.78
Other reserves.....	...	264,771.45	118.17	150.00
	8,015.15	8,592,403.42	112,884.39	100,381.78
<b>SURPLUS</b>				
Debentures paid.....	11,237.65	2,393,832.05	81,155.39	8,499.97
Local sinking fund.....	...	138,400.56	...	...
Operating surplus.....	12,174.94	5,378,262.10	136,600.59	56,760.37
Net frequency standardization expense charged this year.....	...	...	...	...
Total surplus.....	23,412.59	7,910,494.71	217,755.98	65,260.34
Total.....	36,138.96	17,091,712.04	333,170.52	178,797.47

## Electrical Utilities

## SHEETS

December 31, 1954

Woodstock	Woodville	Wyoming	York Twp.	Zurich	TOTAL SOUTHERN ONTARIO SYSTEM
\$	\$	\$	\$	\$	\$
176,008.46	...	355.51	280,239.54	...	23,125,687.42
238,406.73	...	...	643,041.18	...	51,641,810.21
370,276.43	5,700.21	22,016.49	1,469,961.88	13,802.32	59,488,040.30
9,486.24	...	...	...	...	14,769,347.74
185,353.19	2,568.26	8,516.28	922,167.45	8,873.80	37,723,077.17
166,611.56	3,902.71	7,731.48	635,293.90	6,092.54	23,121,706.73
44,885.86	776.55	1,767.76	166,059.69	1,490.60	8,154,028.85
20,033.44	...	38.10	34,331.25	256.95	7,848,000.20
100.00	...	...	...	...	5,473,913.81
...	...	...	...	...	66,602.46
...	...	...	...	...	1,095,619.68
1,211,161.91	12,947.73	40,425.62	4,151,094.89	30,516.21	232,507,834.57
318,993.98	3,546.31	9,840.97	1,286,524.88	3,983.13	56,272,164.22
892,167.93	9,401.42	30,584.65	2,864,570.01	26,533.08	176,235,670.35
10,633.11	1,457.37	2,662.43	252,957.12	478.11	6,839,130.95
133,000.00	5,000.00	2,100.00	100,000.00	2,500.00	15,408,837.42
11,054.54	57.74	402.39	195,681.85	251.94	10,350,020.03
767.08	...	...	82,111.68	...	7,094,124.29
...	...	...	...	...	138,400.56
1,591.04	300.00	...	644.56	415.80	1,185,788.63
7.50	...	...	597,812.36	...	2,261,065.35
1,049,221.20	16,216.53	35,749.47	4,093,777.58	30,178.93	219,513,037.58
1,072,160.92	22,616.40	22,277.17	2,252,174.72	33,061.88	143,384,755.07
2,121,382.12	38,832.93	58,026.64	6,345,952.30	63,240.81	362,897,792.65
230,216.57	...	...	...	...	43,644,268.31
6,780.94	504.61	156.88	184,012.05	1,553.48	9,702,884.58
11,716.48	10.00	123.89	269,780.40	10.00	939,763.75
248,713.99	514.61	280.77	453,792.45	1,563.48	2,609,308.46
1,072,160.92	22,616.40	22,277.17	2,252,174.72	33,061.88	56,896,225.10
9,801.42	481.67	67.69	138,650.57	...	143,384,755.07
1,081,962.34	23,098.07	22,344.86	2,390,825.29	33,061.88	7,652,766.56
197,169.06	5,248.09	9,700.00	489,374.65	5,591.61	151,037,521.63
593,608.73	9,972.16	25,701.01	3,011,959.91	23,023.84	62,423,800.23
72.00	...	...	...	...	138,400.56
790,705.79	15,220.25	35,401.01	3,501,334.56	28,615.45	93,109,783.61
2,121,382.12	38,832.93	58,026.64	6,345,952.30	63,240.81	707,938.48
...	...	...	...	...	154,964,045.92
...	...	...	...	...	362,897,792.65

**Municipal  
BALANCE  
as at**

**NORTHERN ONTARIO PROPERTIES**

Municipality.....	Cache Bay	Capreol	Cochrane	Dryden
<b>ASSETS</b>	\$	\$	\$	\$
Lands and buildings.....	...	450.00	...	...
Substation equipment.....	...	40,928.44	125,890.12	...
Distribution system, overhead.....	32,118.51	24,017.66	84,288.20	128,541.63
Distribution system, underground.....	...	...	...	...
Line transformers.....	5,752.18	18,187.39	25,368.24	40,151.44
Meters.....	3,103.29	13,521.35	23,741.67	35,648.56
Street light equipment, regular.....	1,634.94	5,933.09	13,375.68	14,171.62
Miscellaneous construction expense..	1,225.95	3,912.62	17,081.04	3,047.85
Steam or hydraulic plant.....	...	...	...	...
Old plant.....	1,470.00	...	...	...
Other capital assets.....	...	...	...	...
Total plant.....	45,304.87	106,950.55	289,744.95	221,561.10
Less reserve for depreciation.....	3,652.00	19,433.95	35,327.46	56,940.40
	41,652.87	87,516.60	254,417.49	164,620.70
Bank and cash balance.....	169.90	17,943.71	3,781.85	...
Securities and investments.....	...	...	...	...
Accounts receivable.....	995.52	487.89	4,879.63	16,002.59
Inventories.....	72.27	...	4,592.89	...
Sinking fund on local debentures....	...	...	...	...
Other assets.....	...	...	1,111.49	636.31
Frequency standardization expenditure in suspense.....	...	...	...	...
	42,890.56	105,948.20	268,783.35	181,259.60
Equity in H-E.P.C. systems.....	...	...	...	...
Total.....	42,890.56	105,948.20	268,783.35	181,259.60
<b>LIABILITIES</b>				
Debenture balance.....	20,000.00	45,200.00	99,750.00	45,129.43
Accounts payable.....	1,221.48	817.64	27,662.57	43,874.16
Bank overdraft.....	...	...	...	10,455.82
Other liabilities.....	110.00	755.00	9,191.22	8,776.24
Total liabilities.....	21,331.48	46,772.64	136,603.79	108,235.65
<b>RESERVES</b>				
For equity in H-E.P.C. systems.....	...	...	...	...
Other reserves.....	26.49	323.54	564.54	481.32
	26.49	323.54	564.54	481.32
<b>SURPLUS</b>				
Debentures paid.....	8,000.00	23,800.00	5,250.00	27,870.57
Local sinking fund.....	...	...	...	...
Operating surplus.....	13,532.59	35,052.02	126,365.02	44,672.06
Net frequency standardization expense charged this year.....	...	...	...	...
Total surplus.....	21,532.59	58,852.02	131,615.02	72,542.63
Total.....	42,890.56	105,948.20	268,783.35	181,259.60

Electrical Utilities  
SHEETS  
December 31, 1954

Fort William	Hearst	Kapuskasing	Larder Lake Twp.	Latchford	McGarry	Nipigon Twp.
\$	\$	\$	\$	\$	\$	\$
196,259.93	4,868.95	8,842.96	500.00	...	...	5,712.90
649,731.78	30,318.86	65,611.91	...	...	...	...
779,641.02	61,115.99	67,409.74	20,671.05	13,110.99	25,443.53	45,408.91
286,756.77	19,165.87	17,224.24	12,265.89	3,497.89	10,716.10	20,609.67
204,824.77	18,743.00	12,651.25	12,688.01	4,240.12	10,566.78	13,206.22
176,706.64	1,116.64	12,586.39	2,535.52	1,361.74	3,059.63	6,711.16
55,477.08	6,588.42	6,667.53	2,565.94	1,266.81	431.13	2,227.75
...	...	...	...	...	...	...
...	63,353.00	...	...	...	...	...
...	...	...	...	...	...	...
2,349,397.99	205,270.73	190,994.02	51,226.41	23,477.55	50,217.17	93,876.61
488,605.67	18,311.32	8,153.54	17,370.00	2,148.00	11,014.00	12,857.49
1,860,792.32	186,959.41	182,840.48	33,856.41	21,329.55	39,203.17	81,019.12
24,896.48	17,105.53	40,647.56	9,460.50	3,201.13	4,768.66	1,489.92
270,800.00	...	...	...	...	...	8,500.00
83,943.99	791.00	10,656.33	2,945.63	38.52	518.46	1,152.27
95,097.47	...	5,762.75	...	...	...	127.44
225,594.04	...	...	...	...	...	...
5,634.10	...	1,093.42	...	...	...	...
...	...	...	...	...	...	...
2,566,758.40	204,855.94	241,000.54	46,262.54	24,569.20	44,490.29	92,288.75
3,004,821.40	...	...	...	...	...	50,422.20
5,571,579.80	204,855.94	241,000.54	46,262.54	24,569.20	44,490.29	142,710.95
624,000.00	130,600.00	66,307.77	13,100.00	11,000.00	11,000.00	...
91,094.24	180.00	2,617.20	879.13	...	600.00	160.72
59,418.26	2,912.09	8,555.50	5,476.10	260.00	3,986.07	1,244.44
774,512.50	133,692.09	77,480.47	19,455.23	11,260.00	15,586.07	1,405.16
3,004,821.40	...	...	...	...	...	50,422.20
6,697.68	4,967.31	23.68	57.62	18.80	...	...
3,011,519.08	4,967.31	23.68	57.62	18.80	...	50,422.20
190,209.11	9,400.00	24,171.55	4,900.00	9,000.00	3,000.00	10,000.00
225,594.04	...	...	...	...	...	...
1,369,745.07	56,796.54	139,324.84	21,849.69	4,290.40	25,904.22	80,883.59
...	...	...	...	...	...	...
1,785,548.22	66,196.54	163,496.39	26,749.69	13,290.40	28,904.22	90,883.59
5,571,579.80	204,855.94	241,000.54	46,262.54	24,569.20	44,490.29	142,710.95

**Municipal  
BALANCE  
as at**

**NORTHERN ONTARIO PROPERTIES—Concluded**

Municipality.....	North Bay	Port Arthur	Red Rock	Schreiber Twp.	Sioux Lookout
<b>ASSETS</b>	\$	\$	\$	\$	\$
Lands and buildings.....	63,250.31	584,130.36	...	6,937.08	8,006.86
Substation equipment.....	238,912.37	592,692.68	900.00	...	...
Distribution system, overhead.....	298,394.25	874,448.77	33,041.15	46,942.38	38,480.66
Distribution system, underground.....	10,917.42	...	...	...	...
Line transformers.....	133,372.63	297,023.14	18,644.91	11,188.81	23,868.36
Meters.....	144,721.53	258,628.96	6,487.92	12,761.55	19,635.06
Street light equipment, regular.....	50,654.61	133,929.36	6,460.75	3,729.83	10,166.55
Miscellaneous construction expense	14,545.12	44,035.60	2,988.02	1,360.70	3,221.72
Steam or hydraulic plant.....	...	355,622.63	...	...	...
Old plant.....	...	...	...	14,562.18	...
Other capital assets.....	...	8,409.31	...	...	...
Total plant.....	954,768.24	3,148,920.81	68,522.75	97,482.53	103,379.21
Less reserve for depreciation.....	267,662.66	1,189,803.16	6,866.44	7,560.55	14,013.56
	687,105.58	1,959,117.65	61,656.31	89,921.98	89,365.65
Bank and cash balance.....	675.00	153,168.21	4,538.70	31,206.24	25,275.58
Securities and investments.....	...	588,000.00	...	...	5,000.00
Accounts receivable.....	14,507.72	100,531.91	503.91	727.45	2,075.77
Inventories.....	42,480.66	82,770.93	...	...	10,702.66
Sinking fund on local debentures.....	...	...	...	19,459.00	...
Other assets.....	7,887.21	1,305.47	...	...	4.26
Frequency standardization expenditure in suspense.....	...	...	...	...	...
Equity in H-E.P.C. systems.....	752,656.17	2,884,894.17	66,698.92	141,314.67	132,423.92
	...	5,954,194.98	15,826.43	17,498.77	...
Total.....	752,656.17	8,839,089.15	82,525.35	158,813.44	132,423.92
<b>LIABILITIES</b>					
Debenture balance.....	225,000.00	...	22,490.00	27,500.00	...
Accounts payable.....	1,623.64	128,193.80	4,110.93	...	2,019.23
Bank overdraft.....	28,577.05	...	...	...	...
Other liabilities.....	58,705.64	...	...	...	3,741.45
Total liabilities.....	313,906.33	128,193.80	26,600.93	27,500.00	5,760.68
<b>RESERVES</b>					
For equity in H-E.P.C. systems.....	...	5,954,194.98	15,826.43	17,498.77	...
Other reserves.....	16,487.39	290,415.78	...	...	...
	16,487.39	6,244,610.76	15,826.43	17,498.77	...
<b>SURPLUS</b>					
Debentures paid.....	235,157.68	626,317.40	8,710.00	22,500.00	...
Local sinking fund.....	...	...	...	19,459.00	...
Operating surplus.....	187,104.77	1,839,967.19	31,387.99	71,855.67	126,663.24
Net frequency standardization expense charged this year.....	...	...	...	...	...
Total surplus.....	422,262.45	2,466,284.59	40,097.99	113,814.67	126,663.24
Total.....	752,656.17	8,839,089.15	82,525.35	158,813.44	132,423.92

## Electrical Utilities

## SHEETS

December 31, 1954

Sturgeon Falls	Sudbury	Terrace Bay	West Ferris Twp.	TOTAL NORTHERN ONTARIO PROPERTIES	TOTAL ALL SYSTEMS
\$	\$	\$	\$	\$	\$
1,500.00	272,168.42	...	...	1,152,627.77	24,278,315.19
41,490.83	611,727.86	...	...	2,398,204.85	54,040,015.06
73,013.87	768,842.88	74,739.72	103,627.59	3,593,298.50	63,081,338.80
...	9,413.13	...	...	20,330.55	14,789,678.29
33,894.63	332,499.79	24,998.22	38,945.20	1,374,131.37	39,097,208.54
31,235.01	270,125.67	13,851.62	40,346.53	1,150,728.87	24,272,435.60
5,370.00	174,068.69	15,885.72	1,494.00	640,952.56	8,794,981.41
6,650.39	58,162.31	4,199.45	8,518.04	244,173.47	8,092,173.67
...	...	...	...	355,622.63	5,829,536.44
...	...	...	...	14,562.18	81,164.64
...	...	...	...	73,232.31	1,168,851.99
193,154.73	2,497,008.75	133,674.73	192,931.36	11,017,865.06	243,525,699.63
33,999.46	444,861.02	14,831.00	48,209.80	2,701,621.48	58,973,785.70
159,155.27	2,052,147.73	118,843.73	144,721.56	8,316,243.58	184,551,913.93
2,701.38	174,523.92	15,203.60	6,979.86	537,737.73	7,376,868.68
...	50,000.00	30,000.00	...	952,300.00	16,361,137.42
18,848.00	72,738.16	239.47	13,194.38	345,778.60	10,695,798.63
...	77,498.03	...	...	319,105.10	7,413,229.39
...	...	...	...	245,053.04	383,453.60
1,270.64	...	...	...	18,942.90	1,204,731.53
...	...	...	...	...	2,261,065.35
181,975.29	2,426,907.84	164,286.80	164,895.80	10,735,160.95	230,248,198.53
...	...	34,303.63	...	9,077,067.41	152,461,822.48
181,975.29	2,426,907.84	198,590.43	164,895.80	19,812,228.36	382,710,021.01
...	459,805.29	62,400.00	137,500.00	2,000,782.49	45,645,050.80
77,781.17	9,255.32	...	16,700.60	408,791.83	10,111,676.41
...	...	...	...	39,032.87	978,796.62
6,843.89	62,747.45	...	1,710.00	234,433.35	2,843,741.81
84,625.06	531,808.06	62,400.00	155,910.60	2,683,040.54	59,579,265.64
...	...	34,303.63	...	9,077,067.41	152,461,822.48
866.81	121,936.10	...	70.96	442,938.02	8,095,704.58
866.81	121,936.10	34,303.63	70.96	9,520,005.43	160,557,527.06
...	557,533.24	15,600.00	5,000.00	1,786,419.55	64,210,219.78
...	...	...	...	245,053.04	383,453.60
96,483.42	1,215,630.44	86,286.80	3,914.24	5,577,709.80	98,687,493.41
...	...	...	...	...	707,938.48
96,483.42	1,773,163.68	101,886.80	8,914.24	7,609,182.39	162,573,228.31
181,975.29	2,426,907.84	198,590.43	164,895.80	19,812,228.36	382,710,021.01

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM**

Municipality.....	Acton	Ailsa Craig	Alexandria	Alliston	Almonte
Population.....	2,903	526	2,253	2,486	2,595
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	48,944.15	8,062.73	24,001.54	33,903.79	32,805.34
Commercial light service.....	21,577.33	3,692.20	19,285.34	16,345.31	12,444.55
Power service—commercial.....	73,189.36	2,774.82	17,047.06	13,105.18	22,138.46
—municipal.....	2,317.89	...	1,202.54	1,277.41	1,641.66
Street lighting.....	4,055.88	786.00	2,343.67	2,228.40	3,763.50
Merchandise.....	84.81	...	...	8.19	2,033.54
Miscellaneous.....	481.30	111.33	4,588.54	706.75	4,047.15
Total earnings.....	150,650.72	15,427.08	68,468.69	67,575.03	78,874.20
<b>EXPENSES</b>					
Power purchased.....	120,985.80	10,306.93	36,748.51	37,577.49	28,349.00
Substation operation.....	...	...	...	...	*12,313.23
Substation maintenance.....	...	...	...	...	*2,669.95
Distribution system, operation and maintenance.....	6,363.86	613.25	2,470.18	4,686.71	3,577.73
Line transformer maintenance.....	168.60	228.86	141.19	200.68	363.50
Meter maintenance.....	219.48	16.75	826.56	1,111.81	541.45
Consumers' premises expenses.....	143.59	...	...	6,374.03	42.71
Street lighting, operation and maintenance.....	665.06	62.67	433.09	491.15	725.90
Promotion of business.....	...	...	...	...	...
Billing and collecting.....	2,087.89	528.93	1,937.88	1,998.51	4,262.64
General office, salaries and expenses	2,193.50	213.74	3,656.82	2,284.50	3,597.34
Undistributed expenses.....	1,293.12	33.53	158.75	328.24	769.67
Truck operation and maintenance.....	831.44	...	765.25	948.33	1,457.11
Interest.....	1,594.94	106.94	891.99	...	291.43
Sinking fund and principal payments on debentures.....	...	...	1,335.68	...	2,773.09
Depreciation.....	3,485.00	624.00	4,663.00	2,989.00	7,209.00
Other reserves.....	...	...	...	56.47	...
Total operating costs and fixed charges.....	140,032.28	12,735.15	54,028.90	59,046.92	68,943.75
Net surplus or deficit.....	10,618.44	2,691.93	14,439.79	8,528.11	9,930.45
<b>NUMBER OF CUSTOMERS</b>					
Domestic service.....	844	171	608	670	795
Commercial light service.....	126	45	138	137	127
Power service.....	27	4	16	26	27
Total.....	997	220	762	833	949

\* Generation expense

## Electrical Utilities

## REPORTS

December 31, 1954

Alvinston 670	Amherstburg 4,014	Ancaster Twp. 8,534	Apple Hill 464	Arkona 391	Arnprior 4,829	Arthur 1,103
\$	\$	\$	\$	\$	\$	\$
5,970.61	72,678.25	58,178.23	2,669.91	7,667.08	57,281.74	14,902.08
5,218.73	33,615.90	11,456.91	1,164.88	3,997.98	35,306.06	9,701.54
1,846.71	30,573.72	1,852.45	158.83	2,684.44	40,139.64	4,363.45
232.98	...	1,010.76	...	...	2,980.20	439.34
1,715.00	4,864.08	2,093.66	531.34	865.00	8,532.00	1,983.66
...	...	...	...	...	311.02	...
185.84	1,172.56	641.07	99.24	61.33	1,430.50	237.43
15,169.87	142,904.51	75,233.08	4,624.20	15,275.83	145,981.16	31,627.50
9,375.64	99,530.89	49,065.94	2,311.86	9,926.45	113,374.96	17,271.13
...	...	...	...	...	...	...
...	...	...	...	...	...	...
399.38	8,859.92	2,919.25	374.81	324.07	2,521.09	1,831.49
...	1,294.93	1,613.54	...	44.80	304.48	115.06
91.64	648.85	469.51	52.25	4.94	1,178.04	350.64
36.97	882.76	68.73	...	38.00	...	...
369.90	1,722.35	537.45	135.80	140.00	1,801.29	372.41
...	...	...	...	...	...	...
732.60	2,835.20	2,645.48	380.67	586.05	3,854.85	1,026.55
575.68	4,303.48	2,055.91	99.23	361.80	3,502.97	631.26
25.90	1,429.84	283.65	...	7.67	383.80	66.57
...	1,032.68	1,305.85	...	...	...	354.45
...	1,061.75	2,779.82	...	3.64	1,150.08	46.14
...	2,000.00	2,210.37	...	...	2,034.47	214.07
1,320.00	5,592.00	3,493.00	362.00	808.00	5,075.00	1,780.00
...	...	...	...	...	...	...
12,927.71	131,194.65	69,448.50	3,716.62	12,245.42	135,181.03	24,059.77
2,242.16	11,709.86	5,784.58	907.58	3,030.41	10,800.13	7,567.73
254	1,059	772	88	144	1,259	342
61	197	52	23	38	184	98
7	23	9	1	3	34	13
322	1,279	833	112	185	1,477	453

Municipal  
OPERATING  
for the Year Ended

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Athens	Aurora	Aylmer	Ayr	Baden
Population.....	904	3,636	3,996	939	809
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	8,804.27	68,579.94	50,196.85	14,784.03	12,652.08
Commercial light service.....	3,267.22	34,045.62	31,106.63	7,061.00	4,064.23
Power service—commercial.....	1,178.30	40,187.49	43,241.15	7,499.86	5,381.50
—municipal.....		3,098.80	3,254.40		
Street lighting.....	1,324.00	6,785.17	6,055.33	2,194.00	979.98
Merchandise.....					
Miscellaneous.....	823.76	591.01	560.55	563.58	265.57
Total earnings.....	15,397.55	153,288.03	134,414.91	32,102.47	23,343.36
EXPENSES					
Power purchased.....	8,556.14	99,086.28	106,189.85	19,942.99	15,786.54
Substation operation.....	...	...	...	...	...
Substation maintenance.....	...	...	...	...	...
Distribution system, operation and maintenance.....	482.61	4,678.28	4,108.66	1,584.80	865.78
Line transformer maintenance.....	42.98	1,297.52	15.76	2.20	458.65
Meter maintenance.....	611.71	2,619.71	336.53	77.24	85.90
Consumers' premises expenses.....	...	5,683.53	355.49	...	155.62
Street lighting, operation and maintenance.....	585.54	1,642.55	1,289.85	453.65	163.56
Promotion of business.....	...	...	...	...	...
Billing and collecting.....	650.48	6,221.65	4,912.90	1,298.76	444.49
General office, salaries and expenses	377.44	5,750.23	2,173.93	95.20	305.68
Undistributed expenses.....	...	1,775.12	1,028.20	323.80	3.50
Truck operation and maintenance.....	...	...	860.26	300.00	93.61
Interest.....	...	229.24	19.57	...	5.11
Sinking fund and principal payments on debentures.....	...	...	...	...	...
Depreciation.....	999.00	5,015.00	5,257.00	1,207.00	990.00
Other reserves.....	...	91.07	132.56	...	...
Total operating costs and fixed charges.....	12,305.90	134,090.18	126,680.56	25,285.64	19,358.44
Net surplus or deficit.....	3,091.65	19,197.85	7,734.35	6,816.83	3,984.92
NUMBER OF CUSTOMERS					
Domestic service.....	270	1,166	1,108	281	208
Commercial light service.....	48	162	231	51	35
Power service.....	2	34	33	13	4
Total.....	320	1,362	1,372	345	247

## Electrical Utilities

## REPORTS

December 31, 1954

Bancroft 1,506	Barrie 16,002	Barry's Bay 1,362	Bath 438	Beachville 726	Beamsville 2,042	Beaverton 1,025
\$	\$	\$	\$	\$	\$	\$
16,093.88	216,361.76	9,885.50	7,231.53	12,360.83	37,664.23	18,151.84
13,129.39	119,613.99	5,502.75	2,602.52	1,993.83	12,620.49	8,221.38
3,395.93	82,022.26	766.61	341.41	43,744.90	5,719.01	6,600.71
...	4,479.25	...	...	...	83.24	683.37
1,719.96	9,941.78	876.00	596.70	882.00	2,678.45	2,400.18
...	136.39	...	...	...	...	14.50
17.55	7,489.92	12.91	.40	379.30	236.32	175.56
34,356.71	440,045.35	17,043.77	10,772.56	59,360.86	59,001.74	36,247.54
12,917.74	259,012.86	7,954.26	5,298.41	50,766.67	44,226.84	22,325.20
*1,080.03	5,040.55	...	...	...	...	...
...	5.69	...	...	...	...	...
2,287.48	18,327.63	241.23	291.94	987.71	1,991.09	2,258.31
109.11	2,612.79	46.30	36.14	323.27	...	121.72
188.17	5,090.88	102.24	19.03	116.61	1,317.30	679.74
...	18,840.82	...	...	444.20	128.87	12.69
311.35	1,776.30	165.77	193.33	90.40	528.36	311.85
...	...	...	...	...	...	...
1,620.06	21,156.77	752.04	617.11	654.31	2,486.61	1,768.37
1,475.00	8,380.44	584.70	352.26	331.55	1,367.94	1,727.05
1,075.77	9,175.51	...	...	5.00	...	61.51
...	5,409.20	...	...	...	...	680.31
1,148.43	138.03	136.40	...	112.20	...	3.61
2,625.00	...	929.05	...	...	...	...
4,342.00	25,597.00	870.00	754.00	1,624.00	2,040.00	1,990.00
...	218.82	...	...	...	...	...
29,180.14	380,783.29	11,781.99	7,562.22	55,455.92	54,087.01	31,940.36
5,176.57	59,262.06	5,261.78	3,210.34	3,904.94	4,914.73	4,307.18
380	4,145	286	175	227	613	399
87	615	49	22	30	95	90
6	90	3	1	3	12	10
473	4,850	338	198	260	720	499

\*Generation expense

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Beeton	Belle River	Belleville	Blenheim	Bloomfield
Population.....	634	1,617	20,658	2,675	681
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	9,575.66	21,558.30	272,099.02	22,972.31	7,325.51
Commercial light service.....	3,703.92	13,399.16	155,941.71	25,934.39	5,256.46
Power service—commercial.....	4,183.29	697.89	105,512.25	15,903.28	2,537.49
—municipal.....		3,146.54	7,352.70	2,184.22	
Street lighting.....	2,038.00	2,178.00	18,050.67	6,335.52	1,266.50
Merchandise.....	3.59				
Miscellaneous.....	33.39	84.93	23,326.67	2,538.64	914.31
Total earnings.....	19,537.85	41,064.82	582,283.02	75,868.36	17,300.27
<b>EXPENSES</b>					
Power purchased.....	11,022.53	22,575.24	401,720.39	47,395.93	11,263.91
Substation operation.....			10,437.69		
Substation maintenance.....					
Distribution system, operation and maintenance.....	1,075.81	3,533.36	18,859.67	2,527.67	1,040.90
Line transformer maintenance.....	92.31	383.17	393.65	181.72	85.12
Meter maintenance.....	86.20	223.26	7,064.33	1,214.79	451.85
Consumers' premises expenses.....			1,816.90	69.52	
Street lighting, operation and maintenance.....	189.32	630.26	4,977.10	1,400.49	194.57
Promotion of business.....			22.00		
Billing and collecting.....	624.71	1,899.10	17,641.20	3,686.42	703.64
General office, salaries and expenses.....	397.21	1,167.22	13,262.21	4,404.12	593.66
Undistributed expenses.....		199.97	1,018.14		
Truck operation and maintenance.....	311.55	824.09			
Interest.....		600.00		1,335.75	
Sinking fund and principal payments on debentures.....		1,000.00		2,556.59	
Depreciation.....	1,001.00	2,077.00	23,602.00	4,536.00	639.00
Other reserves.....		11.68			
Total operating costs and fixed charges.....	14,800.64	35,124.35	500,815.28	69,309.00	14,972.65
Net surplus or deficit.....	4,737.21	5,940.47	81,467.74	6,559.36	2,327.62
<b>NUMBER OF CUSTOMERS</b>					
Domestic service.....	206	525	5,696	800	219
Commercial light service.....	43	82	927	177	47
Power service.....	8	5	150	18	8
Total.....	257	612	6,773	995	274

## Electrical Utilities

## REPORTS

December 31, 1954

Blyth	Bobcaygeon	Bolton	Bothwell	Bowmanville	Bradford	Braeside
735	1,094	1,025	773	6,101	1,935	481
\$	\$	\$	\$	\$	\$	\$
9,510.12	22,573.58	16,172.84	6,372.84	94,869.49	25,215.34	4,331.74
5,494.00	11,782.00	7,273.38	5,727.96	31,707.05	20,016.97	785.81
9,208.86	2,025.59	3,525.40	4,678.76	82,413.15	18,908.33	6,562.62
521.88	...	734.28	42.19	2,135.10	870.69	...
1,382.64	3,594.00	1,193.60	1,819.98	9,143.83	2,948.00	454.58
240.21	357.11	45.00	320.00	6,190.87	328.06	...
...	...	...	...	...	568.93	55.00
26,357.71	40,332.28	28,944.50	18,961.73	226,459.49	68,856.32	12,189.75
17,641.20	15,265.75	21,888.03	13,763.85	149,767.26	32,203.04	8,903.35
...	*30.26	...	...	1,561.20	...	...
...	...	...	...	1,388.61	...	...
1,226.86	1,431.90	752.72	273.90	10,439.18	2,905.92	477.71
46.42	25.83	21.90	29.30	113.65	371.49	...
271.20	1,058.23	3.60	98.47	1,812.24	822.02	60.95
79.40	92.54	...	...	433.44	48.39	...
410.00	254.15	244.63	172.87	1,406.30	577.49	102.47
910.26	1,714.64	1,532.15	630.94	4,372.38	2,055.96	327.58
290.46	1,353.79	544.60	432.01	6,203.99	3,483.91	250.00
94.17	428.57	...	...	...	339.64	...
...	600.96	...	...	263.74	921.28	...
26.56	928.15	39.55	35.53	...	...	158.10
...	3,931.12	...	...	...	...	286.80
1,041.00	2,723.00	1,443.00	1,145.00	13,073.00	3,089.00	369.00
...	...	...	...	...	100.00	...
22,037.53	29,838.89	26,470.18	16,581.87	190,834.99	46,918.14	10,935.96
4,320.18	10,493.39	2,474.32	2,379.86	35,624.50	21,938.18	1,253.79
243	510	314	223	1,874	495	134
64	102	62	63	229	122	10
7	4	15	9	32	27	3
314	616	391	295	2,135	644	147

\* Generation expense

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Brampton	Brantford	Brantford Twp	Brechin
Population.....	11,165	49,856	5,722	220
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	184,916.68	452,084.82	259,317.89	2,328.58
Commercial light service.....	67,955.21	220,526.31	45,811.93	2,348.84
Power service—commercial.....	58,649.90	615,419.27	17,073.26	706.48
—municipal.....	7,072.46	19,125.20		
Street lighting.....	11,771.12	45,160.54	15,698.64	348.00
Merchandise.....				
Miscellaneous.....	3,062.19	6,996.21	2,579.65	306.12
<b>Total earnings.....</b>	<b>333,427.56</b>	<b>1,359,312.35</b>	<b>340,481.37</b>	<b>6,038.02</b>
<b>EXPENSES</b>				
Power purchased.....	253,461.23	1,027,767.17	202,129.59	3,170.51
Substation operation.....		25,119.03	210.83	
Substation maintenance.....	1,041.02	9,905.29		
Distribution system, operation and maintenance.....	5,452.40	27,123.58	12,612.46	266.34
Line transformer maintenance.....	296.29	5,407.71	2,574.77	
Meter maintenance.....	217.71	11,464.56	5,803.99	58.92
Consumers' premises expenses.....	658.68	6,984.25	451.16	80.00
Street lighting, operation and main- tenance.....	2,144.50	6,999.44	4,866.29	74.94
Promotion of business.....		35.34		
Billing and collecting.....	6,419.52	24,960.08	11,051.92	375.46
General office, salaries and expenses..	3,460.69	21,123.44	8,798.58	163.70
Undistributed expenses.....		1,151.14	1,513.34	
Truck operation and maintenance....				
Interest.....	4,335.61	13,650.19	6,577.59	
Sinking fund and principal pay- ments on debentures.....	750.00	7,500.00	9,660.37	
Depreciation.....	14,730.00	67,381.00	16,617.00	195.00
Other reserves.....				25.00
<b>Total operating costs and         fixed charges.....</b>	<b>292,967.65</b>	<b>1,256,572.22</b>	<b>282,867.89</b>	<b>4,409.87</b>
<b>Net surplus or deficit.....</b>	<b>40,459.91</b>	<b>102,740.13</b>	<b>57,613.48</b>	<b>1,628.15</b>
<b>NUMBER OF CUSTOMERS</b>				
Domestic service.....	2,974	10,198	4,017	67
Commercial light service.....	355	1,692	161	23
Power service.....	87	294	22	1
<b>Total.....</b>	<b>3,416</b>	<b>12,184</b>	<b>4,200</b>	<b>91</b>

## Electrical Utilities

## REPORTS

December 31, 1954

Bridgeport 1,358	Brigden 454	Brighton 2,034	Brockville 13,561	Bronte 1,775	Brussels 814	Burford 933
\$	\$	\$	\$	\$	\$	\$
17,904.11	3,896.31	34,271.86	176,648.76	32,427.97	12,264.38	16,543.51
5,440.85	3,141.72	15,710.35	71,938.65	8,690.41	5,845.04	5,541.94
2,603.58	4,080.61	6,353.89	169,130.25	1,495.74	4,684.87	4,038.46
...	186.80	...	9,994.05	1,237.21	681.49	...
1,084.00	841.80	2,885.14	10,615.50	1,319.50	1,296.00	1,489.17
91.01	215.37	1,007.05	2,760.08	54.08	14.32	20.23
27,123.55	12,362.61	60,228.29	441,087.29	45,224.91	24,786.10	27,747.11
20,561.43	7,347.92	33,392.13	280,729.95	24,425.03	20,579.14	21,287.61
...	...	...	27,842.56	...	...	...
...	...	...	4,826.95	...	...	...
1,113.68	672.66	2,597.09	6,267.43	2,085.56	652.26	1,199.22
247.93	322.34	125.60	612.72	420.64	...	361.17
118.25	141.99	1,149.15	3,529.42	376.22	148.39	366.08
3.61	...	12.28	105.85	31.02	...	...
564.45	157.35	692.65	2,503.45	516.29	177.53	263.27
1,363.61	688.72	2,939.44	14,089.52	2,986.93	482.24	994.98
448.43	647.14	3,299.55	14,033.29	1,831.25	445.84	421.68
48.42	16.42	...	2,906.92	...	34.62	27.75
154.05	0.80	...	...	1,244.62	1.05	2.65
...	...	...	...	1,000.00	...	...
1,617.00	907.00	2,063.00	18,333.00	2,011.00	1,087.00	1,285.00
...	...	...	...	...	...	...
26,240.86	10,902.34	46,270.89	375,781.06	36,928.56	23,608.07	26,209.41
882.69	1,460.27	13,957.40	65,306.23	8,296.35	1,178.03	1,537.70
338	150	679	3,748	524	289	331
31	48	149	525	65	79	60
6	6	13	81	9	9	6
375	204	841	4,354	598	377	397

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Burgess- ville 224	Burk's Falls 809	Burlington	Caledonia	Campbell- ville 298
Population.....			8,064	2,035	
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	3,976.28	10,837.63	153,154.54	19,843.76	4,229.21
Commercial light service.....	1,467.11	9,663.61	68,462.80	13,716.39	813.63
Power service—commercial.....	1,680.30	2,759.23	34,821.33	9,729.30	467.71
—municipal.....		520.63	924.68	525.29	
Street lighting.....	416.00	1,916.00	10,143.13	4,162.92	372.00
Merchandise.....		21.70		64.99	
Miscellaneous.....	78.69	338.70	1,202.13	44.52	108.41
Total earnings.....	7,618.38	26,057.50	268,708.61	48,087.17	5,990.96
<b>EXPENSES</b>					
Power purchased.....	5,666.56	12,253.24	158,549.31	29,189.50	4,802.54
Substation operation.....	...	...	...	...	...
Substation maintenance.....	...	...	...	...	...
Distribution system, operation and maintenance.....	784.53	1,482.23	9,064.91	1,898.08	72.12
Line transformer maintenance.....	12.10	298.06	1,809.08	114.61	11.46
Meter maintenance.....	7.39	427.79	2,383.09	478.30	7.36
Consumers' premises expenses.....	20.00	...	271.61	...	...
Street lighting, operation and main- tenance.....	15.00	357.67	759.56	1,223.24	71.70
Promotion of business.....	...	...	317.76	...	...
Billing and collecting.....	333.40	1,243.86	11,939.26	2,113.43	183.90
General office, salaries and expenses	79.25	873.69	10,778.25	1,886.52	105.47
Undistributed expenses.....	...	57.63	1,416.27	118.88	...
Truck operation and maintenance.....	...	...	1,570.77	608.95	...
Interest.....	1.61	982.02	6,483.74	366.29	...
Sinking fund and principal pay- ments on debentures.....	...	2,081.47	11,020.55	1,000.00	...
Depreciation.....	310.00	1,320.00	9,088.00	2,192.00	345.00
Other reserves.....	...	50.00	...	...	...
Total operating costs and fixed charges.....	7,229.84	21,427.66	225,452.16	41,189.80	5,599.55
Net surplus or deficit.....	388.54	4,629.84	43,256.45	6,897.37	391.41
<b>NUMBER OF CUSTOMERS</b>					
Domestic service.....	74	236	2,428	584	71
Commercial light service.....	21	69	301	121	11
Power service.....	3	5	33	16	1
Total.....	98	310	2,762	721	83

## Electrical Utilities

## REPORTS

December 31, 1954

Cannington 978	Cardinal 1,853	Carleton Place 4,659	Casselman 1,201	Cayuga 806	Chatham 22,721	Chatsworth 400
\$	\$	\$	\$	\$	\$	\$
14,218.92	23,361.65	55,932.71	12,918.29	8,065.52	275,082.12	5,908.85
6,396.02	6,860.26	24,853.78	5,491.38	7,898.33	298,185.13	4,491.07
5,681.65	856.25	36,151.10	5,623.79	4,286.49	308,980.18	1,103.51
...	...	1,802.29	...	174.61	16,889.51	...
1,840.75	1,408.02	6,679.88	1,485.00	2,858.52	49,942.27	1,225.00
34.10	...	...	...	13.85	5,937.45	...
312.59	260.68	1,946.17	150.02	682.88	4,538.35	75.07
28,484.03	32,746.86	127,365.93	25,668.48	23,980.20	959,555.01	12,803.50
18,382.60	24,718.30	95,820.66	10,991.21	11,226.19	491,923.12	8,002.72
...	...	187.21	...	...	17,997.70	...
...	...	...	...	...	18,262.53	...
952.63	1,851.99	6,952.78	424.17	1,025.03	35,445.95	541.33
93.20	106.10	166.83	45.00	215.48	6,620.88	...
194.44	196.13	2,138.33	573.95	477.36	10,497.92	132.44
108.36	...	107.09	...	...	17,147.30	...
270.55	226.12	1,490.34	183.85	451.25	9,599.70	212.82
...	...	...	...	...	17,839.28	...
1,051.70	964.38	4,990.06	1,317.92	1,466.60	24,859.95	330.23
1,379.73	1,036.75	7,504.47	1,064.77	1,648.50	52,748.79	409.83
...	37.43	485.28	44.14	323.71	50,145.71	...
274.84	...	1,564.64	...	275.59	11,906.94	...
...	...	...	3,377.18	1.02	13,911.76	...
...	...	...	2,500.00	...	31,588.71	...
1,464.00	1,096.00	4,622.00	1,294.00	1,549.00	49,788.00	610.00
...	...	...	...	...	...	...
24,172.05	30,233.20	126,029.69	21,816.19	18,659.73	860,284.24	10,239.37
4,311.98	2,513.66	1,336.24	3,852.29	5,320.47	99,270.77	2,564.13
324	509	1,354	284	234	6,024	131
75	62	224	37	77	1,043	37
11	2	25	4	11	171	1
410	573	1,603	325	322	7,238	169

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Chesley	Chester- ville	Chippawa	Clifford	Clinton
Population.....	1,679	1,196	1,823	532	2,825
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	23,740.36	11,445.03	28,594.44	9,190.06	47,163.90
Commercial light service.....	10,676.18	7,429.01	7,156.24	4,522.64	22,759.00
Power service—commercial.....	10,912.15	16,829.88	305.69	1,468.54	12,181.38
—municipal.....	862.17	...	938.12	368.74	6,488.52
Street lighting.....	2,901.00	1,678.92	4,018.48	1,206.22	4,942.06
Merchandise.....	54.85	...	...	...	...
Miscellaneous.....	217.57	487.35	201.11	31.81	860.97
Total earnings.....	49,364.28	37,870.19	41,214.08	16,788.01	94,395.83
<b>EXPENSES</b>					
Power purchased.....	36,592.04	30,730.82	23,821.54	10,812.02	65,537.79
Substation operation.....	...	...	...	...	...
Substation maintenance.....	...	...	...	...	477.61
Distribution system, operation and maintenance.....	1,676.08	1,629.58	906.49	781.79	4,484.58
Line transformer maintenance.....	167.10	37.57	242.55	14.25	995.94
Meter maintenance.....	577.50	186.86	453.80	4.28	684.11
Consumers' premises expenses.....	7.60	...	...	777.02	580.94
Street lighting, operation and main- tenance.....	517.80	243.88	731.15	161.51	1,147.06
Promotion of business.....	...	...	...	...	97.25
Billing and collecting.....	1,886.16	1,033.50	1,296.00	605.19	2,411.53
General office, salaries and expenses	1,376.84	651.13	1,207.10	372.95	4,103.21
Undistributed expenses.....	594.07	78.21	...	19.34	877.32
Truck operation and maintenance.....	626.10	317.57	...	...	506.24
Interest.....	...	7.58	...	28.66	2,181.00
Sinking fund and principal pay- ments on debentures.....	...	...	...	521.79	1,500.00
Depreciation.....	2,690.00	1,279.00	2,151.00	851.00	4,016.00
Other reserves.....	...	...	...	...	...
Total operating costs and fixed charges.....	46,711.29	36,195.70	30,809.63	14,949.80	89,600.58
Net surplus or deficit.....	2,652.99	1,674.49	10,404.45	1,838.21	4,795.25
<b>NUMBER OF CUSTOMERS</b>					
Domestic service.....	571	307	558	163	869
Commercial light service.....	101	77	58	39	176
Power service.....	26	6	3	6	28
Total.....	698	390	619	208	1,073

## Electrical Utilities

## REPORTS

December 31, 1954

Cobden 845	Cobourg 7,753	Colborne 1,170	Coldwater 633	Collingwood 7,646	Comber 575	Cookstown 597
\$	\$	\$	\$	\$	\$	\$
10,285.29	138,332.46	19,475.52	8,884.33	95,794.28	5,204.40	7,249.76
6,565.15	55,766.07	9,613.94	4,456.47	47,410.30	5,016.55	3,428.05
4,059.30	104,775.21	1,872.32	2,781.26	71,292.97	5,817.45	1,989.39
151.36	2,665.14	234.84	...	3,631.55	...	...
1,877.00	12,141.98	2,383.70	1,200.00	7,459.00	1,381.25	930.00
...	...	113.41	...	164.48	...	...
179.33	2,660.24	472.38	325.66	603.30	41.49	6.55
23,117.43	316,341.10	34,166.11	17,647.72	226,355.88	17,461.14	13,603.75
12,215.45	226,529.91	21,197.17	11,140.47	154,666.14	11,383.54	8,199.78
...	...	...	...	753.89	...	...
509.42	10,505.73	1,942.02	1,148.34	9,946.23	830.79	747.73
...	831.47	...	93.19	1,254.01	51.85	...
131.90	3,460.91	472.12	180.13	1,579.30	26.67	127.18
...	380.91	370.00	2.00	23.31	...	...
460.08	2,248.58	508.43	195.28	1,487.71	171.71	121.51
1,133.05	11,913.67	1,974.47	861.09	5,794.39	790.87	617.80
279.84	7,958.35	1,501.78	704.18	3,216.21	1,006.46	290.47
...	...	875.47	...	3,261.00	...	...
...	1,006.96	628.34	...	2,077.27	...	97.70
2.84	...	...	6.46	...	133.63	...
...	...	...	...	...	285.20	...
944.00	12,120.00	991.00	1,157.00	8,761.00	982.00	917.00
...	...	...	50.00	...	...	...
15,676.58	276,956.49	30,460.80	15,538.14	192,820.46	15,662.72	11,119.17
7,440.85	39,384.61	3,705.31	2,109.58	33,535.42	1,798.42	2,484.58
271	2,365	393	205	2233	173	178
73	306	84	47	327	55	35
8	62	5	4	66	7	3
352	2,733	482	256	2,626	235	216

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Cottam	Courtright	Creemore	Dashwood	Delaware
Population.....	590	548	810	395	352
<b>EARNINGS</b>	\$	\$	\$	\$	\$
Domestic service.....	6,547.03	4,389.12	11,748.62	7,878.92	6,781.56
Commercial light service.....	3,161.79	2,702.32	4,198.00	3,205.25	2,605.80
Power service—commercial.....	1,967.91	...	1,458.75	1,693.91	...
—municipal.....	...	660.06	...	...	...
Street lighting.....	797.50	776.00	1,308.00	787.50	360.00
Merchandise.....	...	...	...	...	...
Miscellaneous.....	91.14	20.79	107.92	17.81	11.46
Total earnings.....	12,565.37	8,548.29	18,821.29	13,583.39	9,758.82
<b>EXPENSES</b>					
Power purchased.....	7,776.10	5,206.29	12,158.83	9,555.29	7,388.21
Substation operation.....	...	...	...	...	...
Substation maintenance.....	...	...	...	...	...
Distribution system, operation and maintenance.....	773.30	46.69	995.72	50.42	130.41
Line transformer maintenance.....	157.33	...	...	...	5.76
Meter maintenance.....	59.03	29.00	314.35	24.90	11.76
Consumers' premises expenses.....	49.09	39.25	60.25	...	20.54
Street lighting, operation and maintenance.....	114.03	199.40	217.76	71.56	1.23
Promotion of business.....	...	...	...	...	...
Billing and collecting.....	775.20	319.53	833.30	753.53	888.54
General office, salaries and expenses	407.30	148.04	245.87	622.79	151.35
Undistributed expenses.....	9.17	5.00	...	...	...
Truck operation and maintenance.....	...	...	...	...	...
Interest.....	112.50	...	...	...	22.00
Sinking fund and principal payments on debentures.....	250.00	...	...	...	...
Depreciation.....	909.00	466.00	846.00	438.00	443.00
Other reserves.....	...	...	...	...	...
Total operating costs and fixed charges.....	11,392.05	6,459.20	15,672.08	11,516.49	9,062.80
Net surplus or deficit.....	1,173.32	2,089.09	3,149.21	2,066.90	696.02
<b>NUMBER OF CUSTOMERS</b>					
Domestic service.....	183	153	283	137	102
Commercial light service.....	36	27	53	32	18
Power service.....	5	1	4	3	...
Total.....	224	181	340	172	120

## Electrical Utilities

## REPORTS

December 31, 1954

Delhi	Deseronto	Dorchester	Drayton	Dresden	Drumbo	Dublin
2,820	1,645	737	520	2,138	325	261
\$	\$	\$	\$	\$	\$	\$
36,168.91	23,237.22	9,333.68	9,638.86	19,837.73	5,758.21	3,877.11
32,782.20	8,468.10	2,979.62	4,184.69	21,335.49	2,669.01	2,234.44
15,563.00	11,693.75	2,367.36	2,162.10	17,505.80	1,457.27	2,051.95
2,314.66	1,671.78	...	...	1,612.96	...	...
6,815.65	3,276.05	1,663.34	1,240.00	3,649.47	650.00	741.00
...	514.60	...	...	...	...	...
835.89	496.07	159.42	204.40	1,967.86	245.10	59.71
94,480.31	49,357.57	16,503.42	17,430.05	65,909.31	10,779.59	8,964.21
55,448.93	26,425.32	10,606.29	11,112.23	38,072.56	7,767.86	6,267.92
...	...	...	...	312.83	...	...
...	...	...	...	...	...	...
5,364.30	3,163.22	879.71	629.52	3,005.54	88.39	191.22
497.70	25.73	37.10	62.78	457.91	...	...
1,256.94	884.59	8.49	254.65	336.75	12.10	14.06
1,724.09	5.83	49.20	6.45	102.59	...	...
994.50	999.82	581.12	318.63	447.94	35.15	243.53
253.42	...	...	...	...	...	...
2,439.86	1,696.83	602.42	1,081.16	2,902.46	595.94	463.64
3,614.86	2,873.41	213.44	429.10	7,283.62	106.95	241.71
136.04	...	...	40.62	1,571.65	...	5.00
...	166.26	...	...	1,084.86	...	...
1,184.76	...	154.23	8.03	993.69	...	3.63
4,985.44	...	90.72	...	1,613.33	...	...
4,039.00	2,243.00	984.00	1,014.00	2,710.00	434.00	623.00
...	...	...	...	...	...	...
81,939.84	38,484.01	14,206.72	14,957.17	60,895.73	9,040.39	8,053.71
12,540.47	10,873.56	2,296.70	2,472.88	5,013.58	1,739.20	910.50
898	508	229	203	646	119	75
230	65	42	50	158	31	26
36	16	3	4	24	3	2
1,164	589	274	257	828	153	103

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Dundalk	Dundas	Dunnville	Durham	Dutton
Population .....	788	8,295	4,803	1,905	826
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service .....	9,637.11	100,932.59	43,430.52	24,002.07	7,489.98
Commercial light service .....	6,900.69	43,601.56	41,776.56	18,531.46	5,160.69
Power service—commercial .....	4,698.03	64,625.44	61,851.18	9,045.59	5,422.67
—municipal .....		1,082.60	3,228.50	1,021.72	
Street lighting .....	1,271.00	11,087.40	8,689.69	2,928.91	1,415.52
Merchandise .....				85.12	
Miscellaneous .....	250.84	376.54	475.57	396.18	238.65
Total earnings .....	22,757.67	221,706.13	159,452.02	56,011.05	19,727.51
<b>EXPENSES</b>					
Power purchased .....	16,229.65	162,612.92	117,943.91	32,060.79	14,354.11
Substation operation .....	...	761.46	1,543.66	...	...
Substation maintenance .....	...	...	...	...	...
Distribution system, operation and maintenance .....	1,871.46	17,456.40	8,311.47	5,083.58	545.57
Line transformer maintenance .....	...	2,851.51	632.08	780.96	26.08
Meter maintenance .....	377.35	3,489.50	2,518.67	1,288.66	38.90
Consumers' premises expenses .....	...	...	134.72	118.10	14.68
Street lighting, operation and maintenance .....	411.02	1,846.95	2,458.50	379.76	234.12
Promotion of business .....	...	...	...	...	...
Billing and collecting .....	1,099.83	5,639.64	3,448.24	2,738.38	913.21
General office, salaries and expenses .....	278.46	4,556.48	3,766.28	2,213.55	244.40
Undistributed expenses .....	492.73	1,731.35	...	304.71	26.68
Truck operation and maintenance .....	284.52	3,739.56	...	1,360.43	...
Interest .....	...	742.82	...	...	70.64
Sinking fund and principal payments on debentures .....	...	...	...	...	...
Depreciation .....	1,054.00	10,751.00	7,220.00	2,331.00	671.00
Other reserves .....	...	...	...	...	...
Total operating costs and fixed charges .....	22,099.02	216,179.59	147,977.53	48,659.92	17,139.39
Net surplus or deficit .....	658.65	5,526.54	11,474.49	7,351.13	2,588.12
<b>NUMBER OF CUSTOMERS</b>					
Domestic service .....	277	2,345	1,420	588	258
Commercial light service .....	87	259	277	129	65
Power service .....	11	59	37	20	11
Total .....	375	2,663	1,734	737	334

## Electrical Utilities

## REPORTS

December 31, 1954

East York Twp. 68,739	Eganville 1,457	Elmira 2,704	Elmvale 891	Elmwood (V.A.)	Elora 1,453	Embro 488
\$	\$	\$	\$	\$	\$	\$
1,116,206.54	17,805.48	42,092.27	12,505.06	2,981.86	23,945.15	9,265.08
183,552.95	13,101.29	25,880.89	7,814.09	1,762.02	9,045.08	2,553.10
232,351.95	6,221.26	55,563.57	4,745.35	3,462.22	7,886.13	3,877.38
		5,018.38	344.12		395.47	
65,792.99	1,955.04	4,045.50	1,482.72	792.00	2,552.29	676.00
					117.61	
2,924.63	152.88	3,280.99	73.76	117.14	405.83	180.00
1,600,829.06	39,235.95	135,881.60	26,965.10	9,115.24	44,347.56	16,551.56
1,034,115.09	6,067.05	104,649.90	16,083.19	5,801.37	31,090.16	11,289.89
	* 6,902.84	830.98				
11,101.47	*206.27					
29,217.32	1,563.56	5,862.54	1,289.14	330.82	3,650.12	910.63
16,293.56	112.79	1,637.69	466.39		280.85	86.06
20,389.39	116.72	469.40	351.02		44.13	186.97
27,135.02		4.54			10.00	333.60
18,267.39	498.67	536.75	251.38	82.16	539.90	274.15
60,326.11	1,214.60	2,025.42	1,005.13	476.28	1,441.23	851.61
47,869.47	2,598.34	4,020.38	349.84	438.77	556.27	520.61
	1,275.00	1,071.01			541.75	
	469.50	813.92	688.35		442.35	
26,962.66	2,383.86	161.77	100.13		12.39	7.96
32,000.00	4,652.10					
61,788.00	3,045.00	6,713.00	1,467.00	518.00	2,204.00	1,026.00
			75.00			
1,385,465.48	31,106.30	128,797.30	22,126.57	7,647.40	40,813.15	15,487.48
215,363.58	8,129.65	7,084.30	4,838.53	1,467.84	3,534.41	1,064.08
18,711	412	808	274	102	438	169
944	89	150	67	22	77	40
149	10	29	9	2	5	5
19,804	511	987	350	126	520	214

\* Generation expense

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Erieau	Erie Beach	Erin	Essex	Etobicoke Twp.
Population.....	460	58	794	3,155	83,169
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	10,306.39	3,601.95	14,092.27	32,444.94	1,584,567.87
Commercial light service.....	4,384.60	249.74	7,253.64	28,607.63	345,003.49
Power service—commercial.....	5,612.46	...	666.17	15,590.15	529,089.25
—municipal.....	...	...	28.21	3,383.61	...
Street lighting.....	972.00	252.00	1,157.00	3,994.19	63,931.18
Merchandise.....	...	...	...	...	...
Miscellaneous.....	33.59	2.28	100.31	1,180.30	8,368.38
Total earnings.....	21,309.04	4,105.97	23,297.60	85,200.82	2,530,960.17
<b>EXPENSES</b>					
Power purchased.....	12,947.12	1,869.12	11,851.28	52,988.62	1,727,644.71
Substation operation.....	...	...	...	...	...
Substation maintenance.....	...	...	...	...	9,772.46
Distribution system, operation and maintenance.....	894.39	234.66	1,091.26	4,205.03	53,158.97
Line transformer maintenance.....	131.56	...	191.97	2,600.86	9,830.07
Meter maintenance.....	203.80	50.03	716.82	70.26	12,690.82
Consumers' premises expenses.....	21.80	...	...	442.03	66,408.67
Street lighting, operation and main- tenance.....	209.40	42.75	362.38	1,002.51	13,284.53
Promotion of business.....	...	...	...	83.50	...
Billing and collecting.....	1,067.72	344.91	923.03	3,257.30	91,976.87
General office, salaries and expenses	804.13	278.39	898.23	3,811.52	52,012.72
Undistributed expenses.....	...	...	78.38	...	...
Truck operation and maintenance.....	...	...	322.37	909.70	...
Interest.....	313.05	...	420.01	418.76	142,849.14
Sinking fund and principal pay- ments on debentures.....	...	...	725.00	1,990.24	105,500.00
Depreciation.....	1,373.00	235.00	774.00	4,719.00	105,153.00
Other reserves.....	...	...	...	...	1,000.00
Total operating costs and fixed charges.....	17,965.97	3,054.86	18,354.73	76,499.33	2,391,281.96
Net surplus or <i>deficit</i> .....	3,343.07	1,051.11	4,942.87	8,701.49	139,678.21
<b>NUMBER OF CUSTOMERS</b>					
Domestic service.....	269	121	272	877	26,115
Commercial light service.....	27	4	57	175	1,614
Power service.....	4	...	3	31	325
Total.....	300	125	332	1,083	28,054

## Electrical Utilities

## REPORTS

December 31, 1954

Exeter	Fergus	Finch	Flesherton	Fonthill	Forest	Forest Hill
2,646	3,504	369	463	1,621	1,849	18,373
\$	\$	\$	\$	\$	\$	\$
53,757.72	62,064.73	5,160.87	5,771.74	30,323.43	31,682.19	442,236.98
23,473.78	24,196.70	2,870.73	5,196.53	7,050.37	16,891.95	117,183.38
15,608.40	38,894.88	1,675.77	1,429.88	2,146.85	8,432.07	15,133.31
985.86	1,682.59	...	...	1,487.29	1,443.49	...
5,062.65	6,111.61	988.00	1,016.66	3,228.37	3,383.53	16,653.84
1,340.51	598.39	252.73	0.89 373.78	...	1,245.60	8,244.37
100,228.92	133,548.90	10,948.10	13,789.48	44,236.31	63,078.83	599,451.88
68,725.02	100,292.33	6,130.38	9,186.79	28,871.05	43,879.33	383,999.06
...	159.55	...	...	...	...	...
...	...	...	...	...	...	3,443.07
5,473.32	7,321.73	187.16	606.67	866.02	3,649.03	8,430.47
559.74	449.54	12.05	3.50	126.07	33.34	2,081.61
167.79	524.95	91.35	207.55	425.75	835.52	216.43
885.93	30.95	...	...	986.60	2,579.28	17,584.88
1,022.65	1,259.35	261.18	201.84	626.01	470.85	2,981.13
42.50	...	...	...	...	...	...
3,580.24	3,175.22	712.10	677.86	1,593.03	1,378.02	18,001.95
4,386.15	2,066.79	272.31	203.23	1,189.01	3,235.72	25,909.30
224.37	1,500.40	...	...	...	1,109.11	...
654.74	581.67	...	...	...	229.63	...
10.27	36.19	7.37	...	1,014.22	2.00	2,925.11
...	...	...	...	1,750.00	...	17,907.32
4,202.00	4,624.00	707.00	811.00	2,032.00	1,754.00	29,962.00
...	...	...	...	...	...	200.00
89,934.72	122,022.67	8,380.90	11,898.44	39,479.76	59,155.83	513,642.33
10,294.20	11,526.23	2,567.20	1,891.04	4,756.55	3,923.00	85,809.55
849	1,028	125	159	512	645	5,570
165	144	33	52	64	141	526
27	20	5	2	8	22	61
1,041	1,192	163	213	584	808	6,157

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Frankford	Galt	George- town 4,110	Glencoe	Goderich
Population.....	1,410	22,185	4,110	1,000	5,988
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	16,832.08	331,127.48	85,709.69	8,272.74	104,847.31
Commercial light service.....	6,067.79	146,779.42	28,724.23	12,107.31	48,068.14
Power service—commercial.....	1,498.93	363,522.09	72,619.61	2,374.99	68,348.29
—municipal.....	...	8,574.15	4,619.60	789.78	4,568.76
Street lighting.....	1,575.60	37,154.00	5,172.13	2,658.78	11,139.80
Merchandise.....	...	...	...	...	7.00
Miscellaneous.....	140.84	6,654.52	450.46	944.34	1,696.62
Total earnings.....	26,115.24	893,811.66	197,295.72	27,147.94	238,675.92
<b>EXPENSES</b>					
Power purchased.....	14,540.32	625,449.70	153,943.83	15,534.58	147,951.67
Substation operation.....	...	14,916.07	...	...	3,573.18
Substation maintenance.....	...	8,315.48	283.20	...	...
Distribution system, operation and maintenance.....	439.75	29,163.58	6,206.68	1,113.37	10,718.43
Line transformer maintenance.....	2.06	5,166.56	1,236.79	14.55	331.42
Meter maintenance.....	309.67	5,273.36	929.31	310.09	2,006.40
Consumers' premises expenses.....	...	1,835.11	2,201.91	63.12	160.10
Street lighting, operation and main- tenance.....	309.00	7,471.03	1,627.21	410.80	1,847.90
Promotion of business.....	...	5,641.30	...	...	...
Billing and collecting.....	1,561.13	13,843.04	5,557.04	1,020.76	6,084.85
General office, salaries and expenses	860.81	17,077.42	4,983.27	2,365.57	7,996.07
Undistributed expenses.....	...	2,431.30	...	129.73	2,129.01
Truck operation and maintenance.....	...	...	...	345.67	1,900.75
Interest.....	369.66	12,233.09	347.01	1.81	4,760.38
Sinking fund and principal pay- ments on debentures.....	2,000.00	21,500.00	458.37	...	5,804.37
Depreciation.....	1,216.00	33,686.00	6,256.00	2,068.00	12,303.00
Other reserves.....	...	1,159.63	...	...	...
Total operating costs and fixed charges.....	21,608.40	805,162.67	184,030.62	23,378.05	207,567.53
Net surplus or deficit.....	4,506.84	88,648.99	13,265.10	3,769.89	31,108.39
<b>NUMBER OF CUSTOMERS</b>					
Domestic service.....	411	6,456	1,436	320	1,803
Commercial light service.....	64	703	181	92	298
Power service.....	6	183	29	12	53
Total.....	481	7,342	1,646	424	2,154

## Electrical Utilities

## REPORTS

December 31, 1954

*Grand Bend 740	Grand Valley 644	Granton 263	Gravenhurst 2,869	Grimsby 3,280	Guelph 30,950	Hagersville 1,890
\$	\$	\$	\$	\$	\$	\$
13,328.88	9,877.46	4,418.59	43,001.47	45,710.03	457,863.05	18,757.87
9,466.95	4,240.23	1,543.93	28,849.99	28,003.71	176,863.10	17,618.44
...	4,778.18	189.36	32,326.08	14,614.81	349,700.24	40,075.91
...	...	...	1,005.78	3,954.50	24,425.65	1,287.30
705.00	1,157.00	444.00	3,601.60	5,015.13	47,141.08	2,868.51
...	...	...	99.07	...	...	...
0.75	244.92	19.43	603.81	547.79	4,941.93	1,949.09
23,501.58	20,297.79	6,615.31	109,487.80	97,845.97	1,060,935.05	82,557.12
14,236.25	15,380.09	4,158.58	71,083.91	72,958.77	764,787.83	64,177.11
...	...	...	...	...	13,532.55	...
...	...	...	...	...	...	148.50
521.68	374.45	1,265.04	4,733.64	1,949.20	32,711.34	7,261.73
14.83	...	46.28	463.90	...	9,093.97	427.03
63.20	267.80	37.98	755.10	2,702.07	8,365.58	665.63
...	...	40.94	...	46.31	3,037.85	101.94
133.28	134.31	105.47	746.78	830.04	7,394.70	248.30
1,583.49	955.73	701.72	3,419.17	2,698.28	23,785.29	2,053.97
528.94	419.75	170.00	2,512.19	2,624.42	17,331.38	1,541.85
...	...	...	995.38	...	7,161.05	1,144.96
...	...	...	651.56	...	...	465.03
2,533.06	...	52.63	...	...	11,915.83	7.16
1,285.31	...	269.46	...	...	16,000.00	...
1,284.00	734.00	312.00	4,657.00	3,567.00	48,292.00	1,523.00
...	...	...	...	...	...	...
22,184.04	18,266.13	7,160.10	90,018.63	87,376.09	963,409.37	79,766.21
1,317.54	2,031.66	544.79	19,469.17	10,469.88	97,525.68	2,790.91
626	243	91	1,009	1,042	8,638	536
83	55	25	176	186	941	142
...	10	1	27	20	192	23
709	308	117	1,212	1,248	9,771	701

\* 5 months' operation

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Hamilton	Hanover	Harriston	Harrow
Population.....	222,902	4,005	1,575	1,836
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	2,781,381.14	55,002.97	26,144.03	34,711.91
Commercial light service.....	1,362,628.57	20,977.77	15,471.27	21,690.48
Power service—commercial.....	5,412,573.32	42,278.53	20,660.38	9,960.70
—municipal.....	154,424.61	...	661.17	...
Street lighting.....	294,525.18	3,760.48	2,679.00	2,443.92
Merchandise.....	...	49.87	291.05	...
Miscellaneous.....	96,281.41	3,865.58	75.93	203.39
Total earnings.....	10,101,814.23	125,935.20	65,982.83	69,010.40
<b>EXPENSES</b>				
Power purchased.....	7,475,792.09	89,606.42	42,748.31	43,389.11
Substation operation.....	224,888.20	...	...	...
Substation maintenance.....	27,152.84	...	...	...
Distribution system, operation and maintenance.....	202,145.03	5,513.53	2,722.08	3,961.43
Line transformer maintenance.....	31,289.24	420.17	160.66	28.64
Meter maintenance.....	105,630.88	1,012.73	467.17	92.84
Consumers' premises expenses.....	77,892.98	1,282.99	943.19	95.37
Street lighting, operation and maintenance.....	60,166.34	544.95	402.75	852.08
Promotion of business.....	36,668.84	...	...	5.00
Billing and collecting.....	243,694.79	3,222.19	2,390.01	4,218.02
General office, salaries and expenses..	206,159.34	3,712.44	1,004.84	2,952.56
Undistributed expenses.....	49,233.34	1,287.07	1,999.22	595.97
Truck operation and maintenance....	...	444.67	217.84	...
Interest.....	66,050.13	...	406.20	186.70
Sinking fund and principal payments on debentures.....	48,000.00	...	...	...
Depreciation.....	304,608.24	4,428.00	2,613.00	3,027.00
Other reserves.....	...	...	...	...
Total operating costs and fixed charges.....	9,159,372.28	111,475.16	56,075.27	59,404.72
Net surplus or deficit.....	942,441.95	14,460.04	9,907.56	9,605.68
<b>NUMBER OF CUSTOMERS</b>				
Domestic service.....	58,873	1,147	476	511
Commercial light service.....	7,169	175	116	123
Power service.....	1,437	32	18	8
Total.....	67,479	1,354	610	642

## Electrical Utilities

## REPORTS

December 31, 1954

Hastings	Havelock	*Hawkesbury	Hensall	Hespeler	Highgate	Holstein
825	1,257	7,865	779	3,834	382	191
\$	\$	\$	\$	\$	\$	\$
11,111.56	14,769.86	18,514.20	12,690.17	51,294.76	3,195.55	2,531.34
6,580.61	7,234.80	14,744.18	7,223.32	16,590.28	1,872.96	801.37
1,266.59	2,011.53	1,437.63	12,081.98	135,825.65	3,915.73	760.35
		648.02	523.55	3,722.27		
1,769.16	2,177.55	1,599.75	1,128.00	8,588.50	760.08	360.00
336.02	512.45	461.00	70.75	3,202.61	158.20	52.25
21,063.94	26,706.19	37,404.78	33,717.77	219,224.07	9,902.52	4,505.31
10,429.14	13,294.81	15,023.43	23,013.75	175,216.03	7,199.24	3,152.06
				1,112.30		
747.69	971.45	324.90	336.56	5,829.12	829.06	227.77
7.20		312.92	106.53	490.00	6.90	
885.12	958.68	556.58	121.33	501.69	14.50	.75
3.60	35.40	27.35	44.79	397.71		
331.82	445.74	301.79	231.26	1,235.04	103.71	48.00
1,827.19	1,573.08	2,353.40	700.92	2,636.79	442.09	264.98
1,208.77	1,649.92	1,155.14	425.69	3,668.56	258.49	413.54
			71.65	1,700.58	5.00	
				1,398.63		
	946.62	591.47	108.89		4.00	
	1,500.00	1,583.33				
910.00	1,760.00	2,029.00	1,961.00	6,393.00	447.00	280.00
16,350.53	23,135.70	24,259.31	27,122.37	200,579.45	9,309.99	4,387.10
4,713.41	3,570.49	13,145.47	6,595.40	18,644.62	592.53	118.21
344	349	1,606	250	1,080	122	74
66	65	202	62	120	28	17
4	2	19	19	32	7	1
414	416	1,827	331	1,232	157	92

\* 3 months' operation

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Huntsville	Ingersoll	Iroquois	Jarvis	Kemptville
Population.....	3,271	6,728	1,100	660	1,616
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	46,736.42	92,206.87	18,845.90	5,287.03	24,122.90
Commercial light service.....	40,540.51	47,389.83	7,472.24	4,700.08	11,545.67
Power service—commercial.....	24,599.23	92,872.29	1,831.29	4,736.16	18,255.95
—municipal.....	2,121.39	8,308.39	1,082.24	...	1,246.22
Street lighting.....	5,466.75	8,853.41	1,933.33	858.00	2,161.00
Merchandise.....	131.39	...	...	...	...
Miscellaneous.....	24.27	1,965.41	348.16	6.50	575.25
Total earnings.....	119,619.96	251,596.20	31,513.16	15,587.77	57,906.99
<b>EXPENSES</b>					
Power purchased.....	78,859.15	168,848.39	21,345.39	11,009.10	40,087.99
Substation operation.....	...	...	...	...	...
Substation maintenance.....	...	4,157.33	...	...	...
Distribution system, operation and maintenance.....	6,501.91	6,941.82	727.15	37.73	3,890.51
Line transformer maintenance.....	247.78	2,297.11	280.77	25.00	245.58
Meter maintenance.....	1,416.20	3,500.59	736.14	57.45	1,293.10
Consumers' premises expenses.....	952.26	597.70	...	...	119.53
Street lighting, operation and maintenance.....	742.05	995.72	376.50	281.74	291.69
Promotion of business.....	...	147.38	...	...	...
Billing and collecting.....	3,676.41	4,856.06	1,984.28	1,055.65	2,167.32
General office, salaries and expenses	4,147.41	13,842.53	1,991.52	130.82	1,869.69
Undistributed expenses.....	1,476.10	4,176.80	102.71	...	224.39
Truck operation and maintenance.....	759.23	2,481.25	352.54	...	699.97
Interest.....	...	3,172.79	4.13	0.75	2.34
Sinking fund and principal payments on debentures.....	...	2,844.79	...	...	...
Depreciation.....	3,429.00	9,631.00	909.00	931.00	2,163.00
Other reserves.....	...	...	...	...	...
Total operating costs and fixed charges.....	102,207.50	228,491.26	28,810.13	13,529.24	53,055.11
Net surplus or deficit.....	17,412.46	23,104.94	2,703.03	2,058.53	4,851.88
<b>NUMBER OF CUSTOMERS</b>					
Domestic service.....	921	1,938	366	188	531
Commercial light service.....	190	254	67	50	100
Power service.....	26	48	10	7	13
Total.....	1,137	2,240	443	245	644

## Electrical Utilities

## REPORTS

December 31, 1954

Kincardine	Kingston	Kingsville	Kirkfield	Kitchener	Lakefield	Lambeth
2,662	43,145	2,766	236	55,645	1,900	1,426
\$	\$	\$	\$	\$	\$	\$
35,695.89	623,338.20	41,026.13	3,063.22	933,517.58	22,661.89	28,854.37
19,875.52	437,465.08	28,618.10	1,507.19	404,794.92	14,940.52	4,488.02
22,156.85	255,751.09	16,384.33	...	996,252.96	24,235.36	310.79
2,261.50	23,779.18	3,448.46	...	59,715.27	...	795.92
4,739.76	39,969.44	3,645.96	432.00	101,665.45	2,512.50	1,374.90
39.50	...	...	...	...	...	...
1,242.65	16,582.99	701.88	108.70	7,255.16	1,036.16	101.91
86,011.67	1,396,885.98	93,824.86	5,111.11	2,503,201.34	65,386.43	35,925.91
59,971.84	836,444.28	57,526.81	2,481.34	1,688,634.70	38,765.66	25,492.63
1,795.88	25,197.72	...	...	34,628.83	...	...
...	7,466.95	...	...	23,146.27	...	...
4,107.66	58,785.49	4,323.66	420.42	76,902.01	3,459.19	377.74
88.85	3,156.47	384.23	...	13,339.19	...	251.02
832.61	21,724.03	993.66	147.18	14,284.47	503.89	12.50
1,833.50	1,196.99	...	...	4,108.12	...	113.85
870.03	8,160.33	1,315.10	113.23	21,070.09	458.08	368.94
...	454.17	11.70	...	3,847.20	...	...
3,119.12	29,156.12	4,071.59	347.81	52,187.45	3,362.77	2,262.34
1,862.99	91,688.42	2,666.71	150.76	83,028.23	3,220.61	838.40
1,229.78	29,201.55	...	...	...	327.77	...
855.11	15,151.40	336.93	...	...	782.00	...
21.02	...	143.30	...	76,578.77	...	1,019.69
...	...	2,295.98	...	75,800.00	...	1,678.60
4,536.00	80,144.00	4,122.00	410.00	101,352.00	2,719.00	1,649.00
...	5,392.60	...	...	...	...	...
81,124.39	1,213,320.52	78,191.67	4,070.74	2,268,907.33	53,598.97	34,064.71
4,887.28	183,565.46	15,633.19	1,040.37	234,294.01	11,787.46	1,861.20
911	11,861	911	79	15,323	531	421
152	1,394	190	21	1,521	93	35
22	233	29	...	392	11	2
1,085	13,488	1,130	100	17,236	635	458

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Lanark	Lancaster	La Salle	Leaming- ton 7,846	Lindsay 10,107
Population.....	861	530	2,372		
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	6,962.25	4,938.19	46,720.79	87,381.14	170,457.99
Commercial light service.....	3,883.06	3,226.51	11,150.25	57,613.72	91,219.87
Power service—commercial.....	975.89	...	2,409.07	73,927.06	88,719.86
—municipal.....	...	...	...	5,241.70	4,665.98
Street lighting.....	693.00	585.00	1,451.00	10,518.15	9,645.17
Merchandise.....	...	...	...	...	1,835.89
Miscellaneous.....	729.77	227.74	1,300.05	776.61	1,868.14
Total earnings.....	13,243.97	8,977.44	63,031.16	235,458.38	368,412.90
EXPENSES					
Power purchased.....	7,961.25	5,299.58	36,743.00	175,091.96	216,026.60
Substation operation.....	...	...	...	1,002.06	4,442.03
Substation maintenance.....	...	...	...	...	...
Distribution system, operation and maintenance.....	722.57	311.54	1,531.12	4,391.59	11,680.15
Line transformer maintenance.....	21.25	138.05	669.82	498.48	975.95
Meter maintenance.....	192.36	61.15	193.10	359.87	2,212.08
Consumers' premises expenses.....	...	...	384.42	8.58	16,754.35
Street lighting, operation and main- tenance.....	419.79	69.97	272.17	3,613.48	2,053.48
Promotion of business.....	...	...	...	...	...
Billing and collecting.....	844.98	521.25	2,337.45	6,502.52	10,296.08
General office, salaries and expenses	333.30	244.34	2,623.41	8,846.19	19,919.27
Undistributed expenses.....	...	...	297.97	...	10,947.94
Truck operation and maintenance.....	...	...	888.02	1,217.17	1,830.30
Interest.....	...	...	291.14	965.78	4,453.25
Sinking fund and principal pay- ments on debentures.....	...	...	...	...	...
Depreciation.....	777.00	355.00	2,900.00	9,904.00	17,126.00
Other reserves.....	...	...	...	200.00	...
Total operating costs and fixed charges.....	11,272.50	7,000.88	49,131.62	212,601.68	318,717.48
Net surplus or deficit.....	1,971.47	1,976.56	13,899.54	22,856.70	49,695.42
NUMBER OF CUSTOMERS					
Domestic service.....	244	149	610	2,289	2,931
Commercial light service.....	50	34	47	394	458
Power service.....	1	...	6	59	80
Total.....	295	183	663	2,742	3,469

## Electrical Utilities

## REPORTS

December 31, 1954

Listowel 3,414	London 98,666	London Twp. 23,363	Long Branch 9,282	L'Original 1,033	Lucan 890	Lucknow 919
\$	\$	\$	\$	\$	\$	\$
58,038.26	1,344,071.91	51,416.29	140,583.58	12,198.32	16,305.02	11,961.58
36,219.58	655,807.24	6,776.27	46,797.25	5,185.44	8,153.66	7,449.12
32,792.52	953,224.25	5,367.11	49,405.36	1,952.43	3,260.61	9,544.27
2,022.33	110,937.81					471.84
6,282.48	116,754.42	1,704.07	10,008.94	720.00	1,678.04	2,665.00
138.56						
540.33	41,169.67	114.47	334.20	3.20	242.00	260.00
136,034.06	3,221,965.30	65,378.21	247,129.33	20,059.39	29,639.33	32,351.81
93,227.51	2,075,082.62	51,964.41	174,901.33	6,841.63	21,827.94	23,559.17
1,836.61	92,105.03	...	...	...	...	...
...	...	...	...	...	...	...
5,394.43	63,904.03	4,551.47	6,852.82	564.20	966.43	1,571.88
811.91	15,363.51	1,200.84	370.69	...	134.55	...
1,156.99	48,188.57	43.30	197.78	320.15	89.61	325.85
750.91	122,475.48	283.46	3,218.46	...	183.16	...
971.50	31,468.71	707.35	2,392.11	193.41	149.19	452.27
...	4,743.83	...	...	...	...	...
3,770.89	73,862.24	3,049.22	11,978.51	1,148.11	1,051.29	1,940.51
3,216.36	123,346.39	1,191.77	8,639.53	19.14	742.00	1,461.43
791.76	27,666.94	...	...	...	81.00	61.99
1,068.47	5,337.27	...	...	...	...	...
3,150.00	27,715.28	1,522.50	2,196.71	1,350.00	109.71	26.88
3,367.97	25,000.00	1,494.60	...	1,000.00	...	...
7,874.00	128,772.00	2,895.00	6,549.00	1,363.00	1,527.00	1,665.00
...	...	...	250.00	...	...	...
127,389.31	2,865,031.90	68,903.92	217,546.94	12,799.64	26,861.88	31,064.98
8,644.75	356,933.40	3,525.71	29,582.39	7,259.75	2,777.45	1,286.83
1,108	26,718	879	2,665	251	259	353
202	2,535	27	293	23	63	108
34	427	4	31	3	5	13
1,344	29,680	910	2,989	277	327	474

Municipal  
OPERATING  
for the Year Ended

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Lynden	Madoc	Magnet- awan	Markdale	Markham
Population.....	527	1,504	250	890	2,193
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	7,650.56	18,393.50	3,022.13	9,912.58	36,781.68
Commercial light service.....	1,603.79	14,351.56	2,931.78	7,907.71	13,364.25
Power service—commercial.....	2,081.70	8,395.91	47.49	2,457.57	5,204.23
—municipal.....	...	362.43	...	488.43	505.15
Street lighting.....	500.00	2,880.00	809.97	1,460.99	2,049.00
Merchandise.....	...	...	...	...	...
Miscellaneous.....	342.41	502.62	37.14	3.40	101.30
Total earnings.....	12,178.46	44,886.02	6,848.51	22,230.68	58,005.61
EXPENSES					
Power purchased.....	8,441.54	25,684.15	2,349.67	16,505.39	42,814.46
Substation operation.....	...	...	...	...	...
Substation maintenance.....	...	...	...	...	...
Distribution system, operation and maintenance.....	108.80	1,174.58	89.98	1,100.63	2,628.79
Line transformer maintenance.....	...	25.35	...	...	171.46
Meter maintenance.....	25.85	285.80	32.55	708.82	186.55
Consumers' premises expenses.....	...	...	...	17.71	2.63
Street lighting, operation and main- tenance.....	180.45	856.20	60.74	310.79	225.00
Promotion of business.....	...	...	...	...	...
Billing and collecting.....	343.78	2,156.70	308.67	1,078.21	2,643.12
General office, salaries and expenses	319.56	1,495.72	78.40	397.73	1,395.47
Undistributed expenses.....	...	145.15	...	...	...
Truck operation and maintenance.....	...	...	...	...	...
Interest.....	...	...	962.75	...	42.74
Sinking fund and principal pay- ments on debentures.....	...	...	1,200.00	...	...
Depreciation.....	372.00	2,166.00	515.00	1,202.00	2,921.00
Other reserves.....	...	...	...	...	71.96
Total operating costs and fixed charges.....	9,791.98	33,989.65	5,597.76	21,321.28	53,103.18
Net surplus or deficit.....	2,386.48	10,896.37	1,250.75	909.40	4,902.43
NUMBER OF CUSTOMERS					
Domestic service.....	138	419	63	288	706
Commercial light service.....	14	118	22	86	102
Power service.....	3	9	1	6	14
Total.....	155	546	86	380	822

## Electrical Utilities

## REPORTS

December 31, 1954

Marmora	Martintown	Maxville	Meaford	Merlin	Merrickville	Merritton
1,313	125	775	3,392	532	988	5,192
\$	\$	\$	\$	\$	\$	\$
14,822.41	3,782.97	8,159.52	44,398.18	5,228.70	11,034.39	73,410.07
11,105.50	2,273.73	5,748.12	23,691.51	5,081.13	4,624.50	19,377.28
2,341.11	...	2,771.11	24,430.16	2,276.64	3,728.92	474,081.81
2,160.00	312.00	1,140.00	1,251.81	...	416.11	3,051.61
309.08	26.56	208.08	5,125.50	997.00	1,479.96	9,719.20
...	...	...	188.42	...	...	...
...	...	...	1,712.20	1,833.25	87.20	3,537.71
30,738.10	6,395.26	18,026.83	100,797.78	15,416.72	21,371.08	583,177.68
18,674.86	3,297.45	10,632.06	69,762.83	8,922.89	11,629.88	497,913.57
...	...	...	...	...	...	1,621.17
...	...	...	...	...	...	...
2,968.46	51.65	620.24	6,743.85	491.91	980.55	13,652.71
228.61	22.80	88.55	449.00	4.80	83.93	86.51
121.55	43.15	412.76	1,285.35	107.38	307.27	2,718.50
...	...	...	230.28	58.18	66.08	1,481.05
389.89	33.51	279.94	764.73	135.80	484.43	1,685.48
1,317.81	460.69	693.74	3,002.51	758.53	1,558.94	8,756.50
616.96	137.17	324.66	2,402.41	2,220.09	756.34	11,131.51
459.92	...	...	1,126.08	...	...	...
...	...	...	1,020.61	...	...	...
...	...	...	...	...	788.51	...
...	...	...	...	...	1,000.00	...
1,137.00	352.00	985.00	4,073.00	1,347.00	982.00	9,537.00
...	...	...	...	...	...	...
25,915.06	4,398.42	14,036.95	90,860.65	14,046.58	18,637.93	548,584.00
4,823.04	1,996.84	3,989.88	9,937.13	1,370.14	2,733.15	34,593.68
363	84	230	1,132	172	295	1,374
68	26	53	190	61	49	101
3	...	3	32	4	9	24
434	110	286	1,354	237	353	1,499

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Midland	Mildmay	Millbrook	Milton	Milverton
Population.....	7,617	837	750	3,215	1,080
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	106,530.81	9,559.23	11,543.43	56,916.14	18,305.90
Commercial light service.....	49,482.37	5,796.70	6,334.41	24,620.46	11,472.34
Power service—commercial.....	109,603.96	2,366.17	825.02	74,265.68	13,725.66
—municipal.....	2,964.60	396.55		1,752.34	705.01
Street lighting.....	7,899.15	994.17	1,250.78	7,903.13	1,615.00
Merchandise.....	15.02	4.25			
Miscellaneous.....	2,901.32	387.62	170.03	678.10	188.45
Total earnings.....	279,397.23	19,504.69	20,123.67	166,135.85	46,012.36
EXPENSES					
Power purchased.....	179,891.19	11,430.70	11,849.32	115,737.83	35,065.67
Substation operation.....	7,297.11	...	...	...	...
Substation maintenance.....	31.89	...	...	919.44	...
Distribution system, operation and maintenance.....	4,622.27	1,969.34	241.40	4,069.66	1,467.73
Line transformer maintenance.....	825.58	...	68.91	652.07	27.47
Meter maintenance.....	2,505.41	584.75	371.71	159.79	51.66
Consumers' premises expenses.....	221.99	...	2.00	735.32	...
Street lighting, operation and maintenance.....	2,175.01	389.68	179.27	1,376.77	317.30
Promotion of business.....	...	...	...	64.97	...
Billing and collecting.....	5,055.89	621.57	1,440.46	5,016.55	1,636.23
General office, salaries and expenses	11,483.55	666.48	512.94	9,247.82	580.52
Undistributed expenses.....	4,553.66	89.21	53.42	...	79.38
Truck operation and maintenance.....	2,162.03	...	...	...	389.89
Interest.....	177.87	1.67	...	1,231.49	434.38
Sinking fund and principal payments on debentures.....	...	...	...	866.07	...
Depreciation.....	12,728.00	779.00	828.00	6,231.00	1,494.00
Other reserves.....	...	...	...	74.00	...
Total operating costs and fixed charges.....	233,731.45	16,532.40	15,547.43	146,382.78	41,544.23
Net surplus or deficit.....	45,665.78	2,972.29	4,576.24	19,753.07	4,468.13
NUMBER OF CUSTOMERS					
Domestic service.....	2,157	241	237	1,000	338
Commercial light service.....	286	65	64	146	88
Power service.....	56	8	2	25	16
Total.....	2,499	314	303	1,171	442

## Electrical Utilities

## REPORTS

December 31, 1954

Mimico 12,351	Mitchell 2,071	Moorefield 293	Morrisburg 1,888	Mount Brydges 728	Mount Forest 2,327	Napanee 3,868
\$	\$	\$	\$	\$	\$	\$
206,342.40	40,590.16	3,214.27	23,706.53	8,515.05	28,677.88	63,399.06
63,833.03	18,981.37	2,616.83	14,864.08	3,090.07	21,246.27	43,909.43
45,450.30	19,604.10	1,309.53	7,815.08	3,244.23	13,012.73	26,005.38
...	2,814.47	...	1,660.98	...	950.80	788.05
13,876.72	4,243.00	716.00	3,320.27	976.86	2,841.00	6,453.81
...	879.08	...	...	...	...	6,701.07
6,310.39	1,465.65	89.76	1,769.05	30.15	771.30	4,324.46
335,812.84	88,577.83	7,946.39	53,135.99	15,856.36	67,499.98	151,581.26
205,513.50	54,824.55	6,141.50	31,726.60	9,516.78	44,810.68	101,189.20
...	1,939.42	...	*3,453.79	...	...	...
2,292.17	...	...	...	...	...	...
23,082.10	3,696.85	383.71	3,063.80	565.05	4,264.68	6,365.47
653.67	921.89	309.40	554.85	...	257.01	105.57
1,627.65	1,263.35	43.44	1,132.67	45.61	1,080.58	2,058.90
1,308.77	2,840.72	...	...	10.96	...	1,533.31
3,111.79	835.97	169.31	779.67	73.30	478.51	1,494.64
...	...	...	...	...	...	...
11,474.85	2,872.29	325.89	2,415.81	1,737.86	2,650.54	3,535.98
17,020.25	2,814.31	99.43	2,889.28	247.57	1,075.65	14,587.34
...	2,060.14	5.00	616.10	...	238.86	814.95
...	1,840.10	...	1,303.86	...	1,409.87	1,812.77
4,988.46	1,076.31	6.31	0.87	...	...	...
4,500.00	900.00	...	...	...	...	...
15,347.00	4,502.00	440.00	1,833.00	905.00	1,677.00	5,644.00
200.00	...	...	...	...	...	...
291,120.21	82,387.90	7,923.99	49,770.30	13,102.13	57,943.38	139,142.13
44,692.63	6,189.93	22.40	3,365.69	2,754.23	9,556.60	12,439.13
3,668	663	88	549	248	681	1,228
312	139	31	149	53	166	256
49	29	2	31	4	22	29
4,029	831	121	729	305	869	1,513

\* Generation expense

Municipal  
OPERATING  
for the Year Ended

SOUTHERN ONTARIO SYSTEM—Continued

Municipality.....	Neustadt	Newboro	Newburgh	Newbury	Newcastle
Population.....	457	301	520	299	1,002
EARNINGS	\$	\$	\$	\$	\$
Domestic service.....	4,791.05	3,850.43	7,106.31	3,676.63	13,914.11
Commercial light service.....	2,547.36	1,413.74	3,146.30	1,031.27	8,798.89
Power service—commercial.....	4,590.60	...	1,543.81	260.34	9,472.08
—municipal.....	717.00	739.98	555.00	720.00	1,989.14
Street lighting.....	452.35	129.32	61.32	215.76	323.90
Merchandise.....	...	...	...	...	...
Miscellaneous.....	...	...	...	...	...
Total earnings.....	13,098.36	6,133.47	12,412.74	5,904.00	34,498.12
EXPENSES					
Power purchased.....	6,836.74	2,085.08	6,252.09	3,765.34	23,848.97
Substation operation.....	...	...	...	...	...
Substation maintenance.....	...	...	...	...	...
Distribution system, operation and maintenance.....	515.13	334.58	331.89	48.67	1,782.12
Line transformer maintenance.....	...	...	7.24	...	31.80
Meter maintenance.....	163.58	199.64	118.78	11.97	434.60
Consumers' premises expenses.....	...	...	...	...	287.18
Street lighting, operation and maintenance.....	145.79	42.50	16.03	27.96	477.99
Promotion of business.....	...	...	...	...	...
Billing and collecting.....	891.05	273.01	722.72	294.45	1,546.06
General office, salaries and expenses	497.06	289.11	558.82	216.97	1,504.25
Undistributed expenses.....	30.42	...	...	...	359.87
Truck operation and maintenance.....	...	...	...	...	638.26
Interest.....	...	431.03	405.50	...	...
Sinking fund and principal payments on debentures.....	...	712.08	1,050.00	...	...
Depreciation.....	978.00	486.00	669.00	370.00	952.00
Other reserves.....	...	...	...	...	...
Total operating costs and fixed charges.....	10,057.77	4,853.03	10,132.07	4,735.36	31,863.10
Net surplus or deficit.....	3,040.59	1,280.44	2,280.67	1,168.64	2,635.02
NUMBER OF CUSTOMERS					
Domestic service.....	155	98	141	103	317
Commercial light service.....	36	11	24	18	62
Power service.....	3	...	3	1	11
Total.....	194	109	168	122	390

## Electrical Utilities

## REPORTS

December 31, 1954

New Hamburg 1,897	New- market 6,067	New Toronto 9,817	Niagara 2,505	Niagara Falls 24,667	North York Twp. 130,766	Norwich 1,415
\$	\$	\$	\$	\$	\$	\$
30,910.08	94,127.16	148,295.85	64,363.39	283,232.03	2,871,697.42	28,627.24
14,396.36	41,523.85	90,569.86	18,654.75	213,226.05	682,048.93	13,696.66
17,673.50	42,822.30	447,499.11	2,896.74	208,282.85	618,599.78	3,780.11
	2,310.46		2,246.48	31,319.05		762.06
2,974.92	9,600.000	15,972.00	5,596.04	42,633.64	69,120.44	3,256.00
430.52			129.08			
175.88	738.59	5,282.42	...	2,179.02	6,228.64	307.44
66,561.26	191,122.36	707,619.24	93,886.48	780,872.64	4,247,695.21	50,429.51
48,367.34	133,089.26	597,788.64	57,421.33	526,111.16	2,589,747.73	33,835.93
441.78	...	...	...	31,114.55	...	...
...	557.94	25.03	720.25	...	28,168.19	...
2,497.34	7,120.67	6,456.52	7,789.69	43,151.44	116,531.81	4,891.13
188.69	888.00	3,928.55	740.59	5,552.29	32,894.79	88.45
432.81	661.77	3,411.17	515.31	3,929.94	24,799.05	319.14
2,455.26	89.99	174.37	151.88	9,996.51	17,183.38	1,722.18
517.72	1,596.06	3,211.31	1,369.01	6,969.94	19,364.66	576.58
1,990.69	6,774.84	11,058.15	3,368.82	28,563.87	156,253.17	36.01
1,614.80	10,294.34	23,397.23	2,971.82	25,003.66	71,763.91	1,313.89
451.74	...	...	...	...	...	2,967.08
262.86	...	...	...	...	...	256.80
441.59	1,917.63	...	1,637.16	...	187,994.66	117.75
...	2,352.33	...	2,167.76	...	183,180.18	105.06
2,650.00	8,220.00	15,376.00	6,057.00	50,480.00	171,206.00	...
...	...	200.00	...	...	1,000.00	1,796.00
62,312.62	173,562.83	665,026.97	84,910.62	730,873.36	3,600,087.53	...
4,248.64	17,559.53	42,592.27	8,975.86	49,999.28	647,607.68	48,026.00
515	1,793	2,615	1,029	6,108	38,359	498
119	265	361	121	1,047	2,728	102
20	40	78	14	173	398	12
654	2,098	3,054	1,164	7,328	41,485	612

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Norwood	Oakville	Oil Springs	Omeme	Orange- ville
Population.....	1,058	9,102	494	755	3,564
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	14,061.66	135,758.11	4,552.31	10,091.52	49,536.30
Commercial light service.....	7,695.83	95,892.91	2,228.74	3,595.43	30,602.28
Power service—commercial.....	4,280.29	101,723.37	6,048.36	2,930.51	7,960.06
—municipal.....		9,539.80	209.38		875.45
Street lighting.....	2,281.00	10,831.47	746.00	1,427.19	5,334.10
Merchandise.....					102.57
Miscellaneous.....	331.73	2,451.48	1,472.23	409.28	676.80
Total earnings.....	28,650.51	356,197.14	15,257.02	18,453.93	95,087.56
<b>EXPENSES</b>					
Power purchased.....	16,442.54	218,248.24	9,417.73	10,928.22	70,468.21
Substation operation.....	...	...	...	...	...
Substation maintenance.....	...	205.10	...	...	...
Distribution system, operation and maintenance.....	603.60	8,667.57	1,611.54	1,429.44	5,484.53
Line transformer maintenance.....	3.67	1,785.60	...	164.75	209.60
Meter maintenance.....	961.28	2,763.25	61.01	180.81	956.49
Consumers' premises expenses.....	16.15	1,929.32	26.83	106.25	...
Street lighting, operation and main- tenance.....	379.42	2,571.53	99.62	566.96	999.17
Promotion of business.....	...	...	...	...	...
Billing and collecting.....	1,245.56	11,704.51	940.68	990.22	3,532.65
General office, salaries and expenses	1,410.89	16,330.46	1,162.95	577.55	1,909.94
Undistributed expenses.....	...	...	...	87.17	1,074.52
Truck operation and maintenance.....	...	...	...	...	581.62
Interest.....	642.78	21,728.63	...	...	...
Sinking fund and principal pay- ments on debentures.....	1,000.00	11,000.00	...	...	...
Depreciation.....	2,198.00	18,008.00	947.00	929.00	4,955.00
Other reserves.....	...	285.00	...	...	...
Total operating costs and fixed charges.....	24,903.89	315,227.21	14,267.36	15,960.37	90,171.73
Net surplus or deficit.....	3,746.62	40,969.93	989.66	2,493.56	4,915.83
<b>NUMBER OF CUSTOMERS</b>					
Domestic service.....	304	2,727	145	240	1,057
Commercial light service.....	65	433	37	34	224
Power service.....	5	92	34	6	38
Total.....	374	3,252	216	280	1,319

## Electrical Utilities

## REPORTS

December 31, 1954

Orillia	Orono	Oshawa	Ottawa	Otterville	Owen Sound	Paisley
12,796	594	46,051	208,911	656	17,346	737
\$	\$	\$	\$	\$	\$	\$
188,627.52	13,197.73	739,331.96	2,927,288.46	9,385.40	232,462.30	10,406.26
119,653.24	4,166.98	259,259.65	2,494,677.93	3,671.81	130,892.64	5,332.92
187,202.02	1,344.08	908,747.19	613,155.73	1,688.80	138,014.90	3,326.77
16,058.09	...	20,332.56	150,970.77	153.39	...	293.75
12,975.98	845.50	66,530.30	202,269.80	1,074.00	17,328.74	1,965.00
86,303.26	341.31	48,472.21	48,686.87	61.26	1,037.16	29.75
					2,938.46	142.75
610,820.11	19,895.60	2,042,673.87	6,437,049.56	16,034.66	522,674.20	21,497.20
70,653.70	10,540.96	1,265,233.04	3,383,732.51	10,906.87	312,238.88	13,947.19
* { 122,710.78	...	2,963.19	† { 417,839.65	...	11,984.77	...
{ 23,570.58	...	1,499.32	{ 25,602.98	...	1,280.37	...
28,701.59	587.80	55,457.76	176,253.90	1,400.67	18,733.74	1,295.71
7,200.00	105.10	1,401.94	62,839.63	185.92	2,350.35	...
21,088.72	322.89	19,559.91	71,909.24	17.25	6,378.36	312.42
...	...	28,473.36	13,352.20	184.00	5,939.98	4.35
2,862.53	183.13	9,665.37	54,675.24	145.51	3,214.61	412.12
8,932.75	1,933.30	491.58	...	...	406.75	...
29,745.94	1,720.03	49,998.36	288,350.65	513.34	23,616.04	913.28
21,473.06	191.10	36,313.07	138,781.49	865.10	21,059.13	1,058.54
296.86	32.74	2,366.86	...	5.00	11,354.59	...
33,360.90	...	10,049.21	149,829.47	...	2,723.15	...
79,716.11	...	16,000.00	253,722.00	...	6,000.00	...
62,390.00	953.00	76,037.00	595,203.00	1,142.00	20,505.00	1,180.00
...	...	...	106,875.00	...	...	...
512,703.52	16,570.05	1,575,509.97	5,738,966.96	15,365.66	447,785.72	19,123.61
98,116.59	3,325.55	467,163.90	698,082.60	669.00	74,888.48	2,373.59
3,921	263	12,668	57,751	208	4,787	267
581	42	1,157	8,242	53	672	66
124	3	200	985	9	127	7
4,626	308	14,025	66,978	270	5,586	340

\* Includes \$114,283.08 generation expense

† Includes \$193,976.65 generation expense

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality .....	Palmerston 1,570	Paris 5,404	Parkhill 1,031	Parry Sound 5,343	Penetanguishene 4,594
POPULATION .....					
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service .....	23,726.15	70,249.25	18,179.52	62,956.04	41,082.56
Commercial light service .....	11,612.54	24,148.91	11,363.75	38,448.97	22,196.73
Power service—commercial .....	10,973.43	37,799.18	6,501.55	10,594.07	28,010.34
—municipal .....	1,940.54	1,689.80	977.44	2,718.06	2,016.72
Street lighting .....	3,881.70	12,195.00	3,021.40	6,850.83	4,153.00
Merchandise .....				177.87	125.55
Miscellaneous .....	830.17	777.24	313.69	3,465.84	2,076.43
Total earnings .....	52,964.53	146,859.38	40,357.35	125,211.68	99,661.33
<b>EXPENSES</b>					
Power purchased .....	38,736.67	99,069.15	25,039.44	45,173.67	68,610.95
Substation operation .....	...	1,501.78	...	*20,265.30	...
Substation maintenance .....	...	...	...	1,293.26	...
Distribution system, operation and maintenance .....	2,258.94	5,660.59	2,902.11	7,954.51	4,409.73
Line transformer maintenance .....	432.65	1,214.19	139.41	760.69	294.77
Meter maintenance .....	410.80	2,098.73	388.13	2,592.55	1,696.89
Consumers' premises expenses .....	616.93	239.95	213.18	1,962.64	1,029.37
Street lighting, operation and maintenance .....	873.20	3,855.53	357.81	1,478.44	685.64
Promotion of business .....					
Billing and collecting .....	1,674.88	3,502.86	1,399.81	5,964.34	3,823.61
General office, salaries and expenses .....	2,322.05	3,111.51	656.85	11,554.52	2,775.31
Undistributed expenses .....	492.57	1,931.24	92.97	5,168.28	1,343.98
Truck operation and maintenance .....	476.20	2,242.51	315.27	2,417.41	512.80
Interest .....	3.10	1,056.77	462.00	2.64	173.27
Sinking fund and principal payments on debentures .....	...	900.00	600.00	...	...
Depreciation .....	3,238.00	10,020.00	1,771.00	12,522.00	3,789.00
Other reserves .....	...	...	...	...	...
Total operating costs and fixed charges .....	51,535.99	136,404.81	34,337.98	119,110.25	89,145.32
Net surplus or deficit .....	1,428.54	10,454.57	6,019.37	6,101.43	10,516.01
<b>NUMBER OF CUSTOMERS</b>					
Domestic service .....	501	1,481	361	1,451	1,109
Commercial light service .....	101	216	93	261	159
Power service .....	22	35	13	27	21
Total .....	624	1,732	467	1,739	1,289

\* Includes \$21,378.56 generation expense

## Electrical Utilities

## REPORTS

December 31, 1954

Perth 5,061	Peter- borough 40,489	Petrolia 3,371	Picton 4,586	Platts- ville 453	Point Edward 2,149	Port Colborne 13,481
\$	\$	\$	\$	\$	\$	\$
63,347.91	625,004.15	36,850.28	66,547.47	8,005.56	28,452.67	121,668.95
35,143.71	269,238.67	25,563.75	40,505.07	2,328.04	9,823.79	74,012.56
27,164.34	432,580.94	32,854.25	16,441.17	11,558.55	110,278.09	43,177.88
1,120.21	16,561.27	...	4,367.36	...	...	8,827.10
6,303.00	54,739.92	4,946.10	4,141.75	335.42	2,900.76	17,804.60
3,892.33	9,142.86	2,832.97	1,377.82	195.79	1,334.24	1,619.61
136,971.50	1,407,267.81	103,047.35	133,380.64	22,423.36	152,789.55	267,110.70
98,569.26	879,402.47	54,961.63	96,248.98	18,353.23	117,444.62	155,373.74
...	19,150.95	329.80	564.75	...	...	...
177.46	9,652.58	...	...	...	...	...
5,560.43	43,907.15	7,071.47	3,405.12	92.55	1,634.43	18,905.85
225.80	3,920.84	933.14	668.37	...	528.36	3,579.95
942.12	31,746.95	1,154.67	2,327.80	8.75	711.28	10,710.55
83.18	18,995.38	3,699.50	25.00	...	848.01	2,478.31
1,352.01	17,179.58	1,005.69	382.86	130.96	683.88	5,947.20
...	79.35	5.13	412.91	...	470.65	...
4,628.42	50,359.21	4,359.94	3,475.23	299.21	3,946.29	19,348.61
7,716.38	15,254.02	8,409.30	7,703.85	51.85	5,331.46	11,373.83
763.91	5,160.33	4,053.94	2,040.28	5.00	62.64	...
1,029.77	1,997.00	2,557.28	1,037.69	...	...	...
...	31,798.01	9.27	2,465.86	1.39	49.72	1,927.95
...	26,500.00	...	...	...	...	3,085.60
4,750.00	82,287.00	4,044.00	7,230.00	550.00	3,246.00	13,756.00
...	...	...	...	...	...	...
125,798.74	1,237,390.82	92,594.76	127,988.70	19,492.94	134,957.34	246,487.59
11,172.76	169,876.99	10,452.59	5,391.94	2,930.42	17,832.21	20,623.11
1,514	11,476	1,014	1,380	147	594	3,500
245	1,368	173	273	29	62	474
39	229	57	39	1	16	61
1,798	13,073	1,244	1,692	177	672	4,035

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality .....	Port Credit 5,129	Port Dalhousie 2,811	Port Dover 2,491	Port Elgin 1,691	Port Hope 6,694
Population .....					
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service .....	102,297.44	69,574.35	35,103.72	34,705.44	116,327.52
Commercial light service .....	41,058.12	13,826.99	18,666.26	17,307.91	46,492.12
Power service—commercial .....	36,216.25	12,523.98	17,250.07	6,515.51	99,459.91
—municipal .....	7,371.88	...	33.72	746.54	3,045.97
Street lighting .....	6,457.50	3,454.50	5,032.92	3,541.71	9,727.63
Merchandise .....	...	...	...	4.25	...
Miscellaneous .....	396.84	...	44.93	144.81	1,040.06
Total earnings .....	193,798.03	99,379.82	76,131.62	62,966.17	276,093.21
<b>EXPENSES</b>					
Power purchased .....	130,007.42	59,306.74	49,347.23	38,104.03	208,659.20
Substation operation .....	...	...	...	...	...
Substation maintenance .....	...	...	...	...	156.61
Distribution system, operation and maintenance .....	8,067.58	5,551.45	6,177.24	5,676.81	7,735.81
Line transformer maintenance .....	304.48	474.07	392.46	244.12	750.75
Meter maintenance .....	741.09	1,926.86	1,514.17	763.49	4,164.21
Consumers' premises expenses .....	854.79	602.35	33.60	227.14	4,136.11
Street lighting, operation and main- tenance .....	1,927.77	604.37	1,086.23	535.16	2,300.81
Promotion of business .....	...	...	...	...	...
Billing and collecting .....	6,671.99	4,590.82	2,327.65	3,422.21	9,084.55
General office, salaries and expenses	4,093.50	6,425.08	1,784.66	3,307.70	11,392.93
Undistributed expenses .....	827.69	...	328.45	1,269.24	1,436.97
Truck operation and maintenance .....	...	...	1,518.28	1,070.84	527.48
Interest .....	3,349.59	1,557.44	1,018.56	64.06	407.22
Sinking fund and principal pay- ments on debentures .....	7,547.11	1,662.88	604.85	...	1,400.00
Depreciation .....	6,613.00	2,933.00	4,478.00	2,793.00	8,853.00
Other reserves .....	150.00	...	...	...	...
Total operating costs and fixed charges .....	171,156.01	85,635.06	70,611.38	57,477.80	261,005.65
Net surplus or deficit .....	22,642.02	13,744.76	5,520.24	5,488.37	15,087.56
<b>NUMBER OF CUSTOMERS</b>					
Domestic service .....	1,680	890	1,145	731	2,141
Commercial light service .....	196	84	188	159	270
Power service .....	30	11	25	14	49
Total .....	1,906	985	1,358	904	2,460

## Electrical Utilities

## REPORTS

December 31, 1954

Port McNicoll 943	Port Perry 2,058	Port Rowan 739	Port Stanley 1,385	Prescott 4,201	Preston 8,819	Priceville 149
\$	\$	\$	\$	\$	\$	\$
12,284.53	33,633.80	6,510.32	33,108.79	66,134.36	133,103.41	1,968.49
2,085.35	13,986.41	6,381.96	12,100.97	30,298.59	45,668.04	919.82
32,419.38	5,633.09	879.68	12,441.84	31,553.60	172,395.25	...
482.43	...	609.58	1,164.07	1,762.01	3,742.55	...
1,155.00	2,235.90	1,108.00	3,807.00	4,771.76	14,605.84	267.00
12.12	...	...	...	...	...	...
130.52	692.59	16.63	606.42	456.60	823.63	0.89
48,569.33	56,181.79	15,506.17	63,229.09	134,976.92	370,338.72	3,156.20
30,465.26	32,109.91	9,497.58	42,606.64	85,939.96	249,174.31	1,378.58
...	...	...	...	3,147.60	3,524.42	...
...	...	...	...	...	...	...
1,535.11	2,674.19	233.05	6,250.77	3,488.08	15,606.90	85.11
38.60	141.31	230.65	182.07	46.74	3,882.35	...
169.25	828.61	3.65	957.11	1,183.64	4,628.44	78.74
227.77	270.65	...	105.58	1,233.04	569.28	...
294.62	395.92	74.32	1,021.60	1,206.35	2,569.29	33.75
1,141.18	2,679.65	747.08	3,591.88	4,389.43	6,263.84	210.97
1,088.34	1,885.11	103.01	1,760.44	6,005.96	7,068.60	212.58
51.26	21.91	17.76	...	1,857.92	1,005.12	...
440.01	1,071.40	133.44	1,103.00	569.28	...	...
72.42	0.16	0.83	15.91	308.00	10,836.64	194.05
300.00	...	...	...	1,100.00	8,720.00	225.00
1,144.00	2,206.00	957.00	3,620.00	3,736.00	18,127.00	401.00
75.00	100.00	...	...	...	...	...
37,042.82	44,384.82	11,998.37	61,215.00	114,212.00	331,976.19	2,819.78
11,526.51	11,796.97	3,507.80	2,014.09	20,764.92	38,362.53	336.42
428	599	318	1,004	1,212	2,241	52
29	116	87	125	202	266	10
2	11	6	17	34	76	...
459	726	411	1,146	1,448	2,583	62

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Princeton	Queenston	Renfrew	Richmond	Richmond Hill
Population.....	382	415	8,097	757	3,510
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	5,994.75	8,808.20	94,612.06	10,200.84	72,844.00
Commercial light service.....	1,944.55	5,389.59	40,640.60	2,607.30	26,046.00
Power service—commercial.....	1,653.98	...	81,624.64	2,901.63	7,063.91
—municipal.....	...	...	5,690.63	...	2,685.49
Street lighting.....	688.00	1,200.00	7,109.20	607.50	2,938.81
Merchandise.....	...	...	...	...	...
Miscellaneous.....	253.91	157.50	2,728.58	8.37	39.57
Total earnings.....	10,535.19	15,555.29	232,405.71	16,325.64	111,617.78
<b>EXPENSES</b>					
Power purchased.....	8,203.52	9,382.94	85,996.81	8,236.35	80,774.07
Substation operation.....	...	...	*31,448.68	...	...
Substation maintenance.....	...	...	*10,352.98	...	...
Distribution system, operation and maintenance.....	48.30	1,316.40	11,812.63	1,123.44	1,616.50
Line transformer maintenance.....	4.50	14.95	2,110.04	113.18	306.67
Meter maintenance.....	3.88	35.93	4,195.96	131.97	137.76
Consumers' premises expenses.....	...	279.01	264.35	...	138.41
Street lighting, operation and maintenance.....	91.69	118.96	1,580.07	51.40	491.25
Promotion of business.....	...	...	...	...	...
Billing and collecting.....	605.65	431.06	8,872.46	220.88	4,611.54
General office, salaries and expenses	125.75	470.85	21,093.65	267.30	1,462.79
Undistributed expenses.....	...	...	1,696.80	41.37	...
Truck operation and maintenance.....	...	...	3,168.30	...	...
Interest.....	1.13	...	9,084.32	149.43	3,505.82
Sinking fund and principal payments on debentures.....	...	...	10,042.50	212.50	2,348.10
Depreciation.....	589.00	663.00	22,189.00	792.00	5,028.00
Other reserves.....	...	...	...	...	...
Total operating costs and fixed charges.....	9,673.42	12,713.10	223,908.55	11,339.82	100,420.91
Net surplus or deficit.....	861.77	2,842.19	8,497.16	4,985.82	11,196.87
<b>NUMBER OF CUSTOMERS</b>					
Domestic service.....	121	129	2,120	196	1,189
Commercial light service.....	27	21	260	22	139
Power service.....	4	...	67	2	28
Total.....	152	150	2,447	220	1,356

\* Generation expense

## Electrical Utilities

## REPORTS

December 31, 1954

Ridgetown	Ripley	Riverside	Rockland	Rockwood	Rodney	Rosseau
2,420	451	12,003	2,551	766	984	218
\$	\$	\$	\$	\$	\$	\$
22,716.75	7,608.83	197,864.89	27,995.43	13,113.75	8,859.09	3,050.01
22,716.37	4,284.57	29,377.52	5,979.83	5,089.67	5,826.75	2,053.11
10,686.76	1,616.64	24,130.40	663.29	71.42	5,533.31	...
2,358.67	622.52	7,122.47	301.29	...	...	...
5,325.00	1,082.00	9,150.28	955.08	1,196.04	1,638.00	861.67
1,345.29	0.16	2,415.11	476.49	219.94	422.40	45.63
65,148.84	15,214.72	270,060.67	36,371.41	19,690.82	22,279.55	6,010.42
38,124.03	8,540.26	164,178.42	19,494.85	13,714.88	14,785.19	2,598.96
...	...	14.95	...	...	...	...
7,062.98	1,577.18	8,251.01	1,759.32	853.15	1,243.65	389.91
53.78	...	638.46	781.41	163.58	59.78	43.54
1,137.17	178.55	1,241.96	714.01	34.74	445.72	68.84
6.67	...	6,396.11	...	...	32.66	...
2,578.36	160.26	2,794.50	358.80	106.72	220.24	62.00
3,356.29	463.56	7,566.41	1,025.20	804.28	1,284.34	380.14
5,689.50	277.87	11,320.63	674.19	689.00	286.36	183.80
...	...	...	61.10	6.67	22.49	...
...	...	2,690.71	233.10	...	...	...
1,053.79	...	3,200.23	529.47	...	107.91	...
1,420.46	...	3,999.05	500.00	...	...	...
3,077.00	776.00	11,134.00	882.00	654.00	1,366.00	542.00
...	...	280.00	...	...	...	...
63,560.03	11,973.68	223,706.44	27,013.45	17,027.02	19,854.34	4,269.19
1,588.81	3,241.04	46,354.23	9,357.96	2,663.80	2,425.21	1,741.23
772	155	3,636	547	231	337	94
175	54	163	51	43	76	19
30	3	21	3	2	10	...
977	212	3,820	601	276	423	113

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Russell	St. Catharines	St. Clair Beach	St. George	St. Jacobs
Population.....	525	39,881	668	668	725
<b>EARNINGS</b>	\$	\$	\$	\$	\$
Domestic service.....	6,870.65	576,998.91	13,780.80	6,878.40	10,186.53
Commercial light service.....	3,224.86	330,978.10	4,396.70	4,615.56	4,560.95
Power service—commercial.....	355.91	857,604.69	2,000.98	4,470.71	6,567.18
—municipal.....					
Street lighting.....	912.00	64,451.11	748.68	986.00	506.00
Merchandise.....		21.51			
Miscellaneous.....	311.92	1,926.11	89.24	489.83	194.62
Total earnings.....	11,675.34	1,831,980.43	21,016.40	17,440.50	22,015.28
<b>EXPENSES</b>					
Power purchased.....	5,789.53	1,301,129.36	12,027.47	12,099.24	17,840.59
Substation operation.....		7,592.32			
Substation maintenance.....					
Distribution system, operation and maintenance.....	756.39	54,611.56	441.83	376.39	869.01
Line transformer maintenance.....	5.00	5,201.44	152.80	9.00	168.60
Meter maintenance.....	178.70	27,938.66	93.67	244.76	20.40
Consumers' premises expenses.....		8,981.40	88.36		10.39
Street lighting, operation and maintenance.....	114.02	10,600.26	107.60	155.81	128.15
Promotion of business.....					
Billing and collecting.....	661.09	62,156.49	717.21	990.38	897.24
General office, salaries and expenses	512.52	52,833.61	986.91	152.34	127.04
Undistributed expenses.....				12.68	
Truck operation and maintenance.....					
Interest.....			412.51		11.36
Sinking fund and principal payments on debentures.....			500.00		
Depreciation.....	650.00	60,913.00	1,158.00	761.00	940.00
Other reserves.....					
Total operating costs and fixed charges.....	8,667.25	1,591,958.10	16,686.36	14,801.60	21,012.78
Net surplus or deficit.....	3,008.09	240,022.33	4,330.04	2,638.90	1,002.50
<b>NUMBER OF CUSTOMERS</b>					
Domestic service.....	162	11,345	238	211	179
Commercial light service.....	36	1,470	15	52	38
Power service.....	2	284	3	5	8
Total.....	200	13,099	256	268	225

## Electrical Utilities

## REPORTS

December 31, 1954

St. Mary's	St. Thomas	Sarnia	Scarborough Twp.	Seaforth	Shelburne	Simcoe
4,176	19,117	39,550	95,706	2,146	1,251	7,403
\$	\$	\$	\$	\$	\$	\$
78,064.78	294,552.73	574,400.80	1,659,740.03	32,352.81	18,594.37	77,804.35
27,131.05	131,679.58	248,033.61	394,283.91	21,086.47	11,575.61	74,192.80
43,615.21	178,786.33	844,166.91	938,519.40	17,598.70	5,078.36	73,925.55
2,076.86	7,233.28	18,062.83		1,157.93	569.91	3,622.84
9,182.00	23,347.41	35,326.98	76,370.78	5,096.50	1,881.00	21,215.70
		9,650.98				
2,000.14	4,595.27	10,041.89	34,274.72	658.46	63.80	1,349.62
162,070.04	640,194.60	1,739,684.00	3,103,188.84	77,950.87	37,763.05	252,110.86
96,848.37	403,538.27	1,163,413.00	2,037,314.05	51,674.21	27,081.73	166,911.80
2,988.96	25,754.93	37,653.54		697.82	...	721.70
262.88	1,848.19	5,218.62	16,470.38	...	...	...
4,808.17	30,226.51	48,164.40	69,620.95	2,255.69	900.11	12,598.26
657.47	3,019.62	5,387.44	10,962.06	552.66	98.05	1,809.37
3,130.42	12,201.64	26,399.85	8,465.66	374.80	683.36	5,443.00
4,678.30	21,301.63	33,136.30	21,125.58	...	...	3,829.88
2,873.06	4,173.29	12,432.05	14,656.61	731.98	676.88	4,132.23
...	603.24	3,161.54	...	159.61	...	193.31
3,566.07	22,968.58	49,380.73	71,216.10	2,290.41	1,535.64	5,370.95
6,018.94	23,846.31	53,013.09	94,090.21	1,636.58	728.57	6,232.03
1,942.48	1,719.80	18,746.41	...	948.70	57.85	1,641.43
2,218.16	...	21,190.83	...	809.95	661.17	1,626.18
	75.10	26,849.13	175,206.88	1,602.11	4.08	18.41
3,675.46	...	14,391.70	105,000.00	2,256.63	...	...
9,209.00	32,114.00	64,190.00	122,876.00	3,373.00	2,540.00	12,498.00
...	...	...	5,135.06	...	...	...
142,877.74	583,391.11	1,582,728.63	2,752,139.54	69,364.15	34,967.44	223,026.55
19,192.30	56,803.49	156,955.37	351,049.30	8,586.72	2,795.61	29,084.31
1,266	5,814	11,080	32,255	644	417	2,254
197	735	1,170	1,457	131	100	513
47	117	131	330	21	13	78
1,510	6,666	12,381	34,042	796	530	2,845

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Smith's Falls 8,503	Smithville 814	South- ampton 1,757	Spring- field 518	Stamford Twp. 23,277
Population .....					
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service .....	121,167.39	10,565.15	27,600.32	5,492.99	374,552.57
Commercial light service .....	60,445.77	7,438.45	13,560.20	1,714.06	90,698.92
Power service—commercial .....	58,027.18	12,041.44	13,301.10	639.02	63,810.77
—municipal .....	37.98	432.92	784.62	...	2,932.88
Street lighting .....	10,687.14	2,079.00	4,256.61	859.50	18,644.43
Merchandise .....	...	...	4.25	...	...
Miscellaneous .....	1,659.31	327.37	188.28	115.67	1,013.15
Total earnings .....	252,024.77	32,884.33	59,695.38	8,821.24	551,652.72
<b>EXPENSES</b>					
Power purchased .....	173,149.73	19,746.61	35,501.23	5,976.69	324,803.54
Substation operation .....	1,060.07	...	...	...	2,940.10
Substation maintenance .....	3,019.20	...	...	...	...
Distribution system, operation and maintenance .....	13,597.44	2,984.49	5,334.23	212.08	49,687.02
Line transformer maintenance .....	835.91	201.13	34.44	39.39	4,098.95
Meter maintenance .....	1,909.06	172.40	960.42	2.00	10,668.95
Consumers' premises expenses .....	990.85	656.54	402.29	2.67	...
Street lighting, operation and main- tenance .....	1,998.90	403.05	878.74	207.21	4,747.53
Promotion of business .....	...	...	...	...	...
Billing and collecting .....	10,682.51	2,659.90	2,591.56	561.53	23,695.46
General office, salaries and expenses	8,028.47	1,977.97	1,209.32	325.56	14,721.45
Undistributed expenses .....	...	...	577.78	5.00	...
Truck operation and maintenance .....	1,932.27	...	890.06	...	...
Interest .....	1,162.84	...	407.09	...	30,194.37
Sinking fund and principal pay- ments on debentures .....	2,500.00	...	...	...	20,443.75
Depreciation .....	14,461.00	1,064.00	2,762.00	839.00	32,680.00
Other reserves .....	...	...	...	...	...
Total operating costs and fixed charges .....	235,328.25	29,866.09	51,549.16	8,171.13	518,681.12
Net surplus or <i>deficit</i> .....	16,696.52	3,018.24	8,146.22	650.11	32,971.60
<b>NUMBER OF CUSTOMERS</b>					
Domestic service .....	2,667	263	828	140	6,156
Commercial light service .....	371	81	120	30	413
Power service .....	53	12	14	2	50
Total .....	3,091	356	962	172	6,619

## Electrical Utilities

## REPORTS

December 31, 1954

Stayner 1,359	Stirling 1,225	Stoney Creek 3,158	Stouffville 2,089	Stratford 19,557	Strathroy 4,030	Streetsville 1,822
\$	\$	\$	\$	\$	\$	\$
20,477.74	20,608.35	63,183.18	31,089.42	342,546.20	61,443.80	33,853.18
10,334.48	10,427.25	26,041.07	15,710.99	126,751.64	31,045.73	8,535.26
4,919.79	3,602.83	10,336.43	9,472.98	135,603.16	29,275.42	29,071.44
105.99	405.01	1,519.22	...	14,465.95	3,223.81	1,008.81
1,737.00	3,170.04	3,907.63	1,575.00	24,284.08	7,079.80	2,824.33
8.47	150.66	429.45	...	...	...	...
151.33	450.51	...	108.42	13,100.92	275.92	1,096.35
37,734.80	38,814.65	105,416.98	57,956.81	656,751.95	132,344.48	76,389.37
25,670.86	20,934.08	60,223.70	43,059.92	442,466.61	90,178.87	52,372.49
...	707.90	...	...	17,268.53	2,246.73	*3,402.01
...	...	...	...	8,297.31	...	...
938.45	3,924.89	2,994.53	2,052.36	24,737.78	5,164.58	1,370.73
69.27	...	21.11	347.20	2,825.07	1,073.97	762.39
877.78	307.03	650.42	1,116.93	9,775.61	1,510.66	320.28
...	10.83	212.70	...	7,260.73	2,381.96	...
590.08	374.09	135.48	134.93	6,254.10	1,045.26	324.40
1,808.58	1,630.90	2,200.14	2,443.76	2,347.17	46.49	...
947.84	2,587.38	42.75	973.70	22,878.89	1,550.71	2,391.24
...	190.05	...	...	22,692.66	7,220.10	2,692.15
1,230.10	193.79	...	...	630.15	2,845.57	...
92.21	585.00	3,609.72	418.03	2,651.52	2,399.27	...
...	414.44	2,679.91	...	450.00	79.84	859.51
1,996.00	1,578.00	3,911.00	1,937.00	25,872.00	7,932.00	2,737.00
...	...	...	...	...	...	...
34,221.17	33,438.38	76,681.46	52,483.83	596,408.13	125,676.01	67,232.20
3,513.63	5,376.27	28,735.52	5,472.98	60,343.82	6,668.47	9,157.17
442	380	990	626	5,566	1,247	509
96	92	125	115	701	225	75
19	15	15	10	155	48	21
557	487	1,130	751	6,422	1,520	605

\* Generation expense

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Sunderland	Sundridge	Sutton	Swansea	Tara
Population.....	561	697	1,145	8,718	490
<b>EARNINGS</b>	\$	\$	\$	\$	\$
Domestic service.....	8,232.94	9,505.37	23,113.88	167,988.34	7,741.78
Commercial light service.....	4,190.27	8,221.09	16,961.29	42,202.98	3,670.44
Power service—commercial.....	3,050.91	846.06	4,967.75	48,500.03	1,150.11
—municipal.....					170.39
Street lighting.....	1,274.94	1,080.00	2,490.00	10,047.72	1,232.00
Merchandise.....		35.00			
Miscellaneous.....	0.26		180.00	989.58	6.79
Total earnings.....	16,749.32	19,687.52	47,712.92	269,728.65	13,971.51
<b>EXPENSES</b>					
Power purchased.....	10,233.32	6,804.69	32,903.55	164,666.60	9,134.04
Substation operation.....				2,539.08	
Substation maintenance.....					
Distribution system, operation and maintenance.....	1,189.75	436.60	886.05	6,965.61	753.88
Line transformer maintenance.....	40.04	10.00	490.32	2,598.93	
Meter maintenance.....	181.76	187.20	41.46	2,853.15	94.50
Consumers' premises expenses.....			26.97	9,487.96	
Street lighting, operation and maintenance.....	259.59	130.02	707.64	1,972.05	288.84
Promotion of business.....					
Billing and collecting.....	781.51	842.31	3,950.26	12,312.18	489.60
General office, salaries and expenses	539.88	420.67	942.54	6,036.67	116.90
Undistributed expenses.....					
Truck operation and maintenance.....	80.28				
Interest.....		1,697.07	15.24	6,449.13	
Sinking fund and principal payments on debentures.....		1,111.42		12,181.60	
Depreciation.....	745.00	853.00	2,597.00	10,943.00	867.00
Other reserves.....					
Total operating costs and fixed charges.....	14,051.13	12,492.98	42,561.03	239,005.96	11,744.76
Net surplus or deficit.....	2,698.19	7,194.54	5,151.89	30,722.69	2,226.75
<b>NUMBER OF CUSTOMERS</b>					
Domestic service.....	193	202	655	2,573	182
Commercial light service.....	45	53	138	165	52
Power service.....	3	2	8	33	6
Total.....	241	257	801	2,771	240

## Electrical Utilities

## REPORTS

December 31, 1954

Tavistock	Tecumseh	Teeswater	Thamesford	Thamesville	Thedford	Thornbury
1,124	3,893	884	596	985	660	1,082
\$	\$	\$	\$	\$	\$	\$
20,840.90	40,291.89	10,628.86	13,913.83	11,682.92	8,635.27	17,001.36
10,010.97	14,774.47	5,514.01	5,237.38	10,555.04	6,189.73	8,855.74
15,004.46	12,513.19	6,942.93	4,019.39	12,896.99	3,251.24	6,562.67
584.44	161.01	402.82	...	295.61	...	771.81
1,755.12	2,484.36	1,393.00	836.00	1,845.00	1,290.00	2,429.00
27.01	...	...	...	...	...	7.74
226.71	509.06	435.33	0.13	128.28	339.92	81.47
48,449.61	70,733.98	25,316.95	24,006.73	37,403.84	19,706.16	35,709.79
36,998.57	45,037.35	16,592.39	17,337.54	23,533.92	13,091.72	14,162.53
...	...	...	...	...	...	*4,742.81
...	...	...	...	...	...	*465.20
968.87	4,447.87	1,129.65	138.42	1,646.23	454.86	1,291.58
226.40	413.79	...	273.85	255.29	97.84	169.69
11.74	278.34	350.75	87.07	253.17	56.06	428.96
2,083.06	1,091.10	8.88	130.05	14.00	...	...
234.15	1,794.98	199.70	175.73	239.48	173.71	564.52
1,422.00	2,615.72	1,218.76	665.92	945.15	1,032.37	1,391.74
788.83	3,800.66	611.26	370.17	718.50	481.14	955.95
131.26	507.91	...	4.00	44.46	27.77	184.35
...	842.80	...	...	572.46	...	...
784.91	122.21	...	129.70	...	14.90	1,662.38
698.52	...	...	100.00	...	...	1,360.68
2,142.00	4,369.00	1,592.00	904.00	1,056.00	852.00	1,626.00
...	...	...	...	...	...	...
46,490.31	65,321.73	21,703.39	20,316.45	29,278.66	16,282.37	29,006.39
1,959.30	5,412.25	3,613.56	3,690.28	8,125.18	3,423.79	6,703.40
360	1,065	274	199	315	217	384
108	95	67	50	97	63	89
9	12	11	5	15	5	15
477	1,172	352	254	427	285	488

\* Generation expense

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Thorndale	Thornton	Thorold	Tilbury	Tillson- burg
Population.....	309	245	7,400	3,136	5,751
<b>EARNINGS</b>	\$	\$	\$	\$	\$
Domestic service.....	6,842.00	3,518.61	88,124.38	25,453.61	77,360.67
Commercial light service.....	1,781.41	755.75	36,703.26	22,150.40	66,704.32
Power service—commercial.....	2,492.48	392.89	220,702.16	35,299.54	49,151.16
—municipal.....	...	...	11,138.16	280.44	3,895.97
Street lighting.....	846.00	390.00	8,890.92	6,097.21	13,152.72
Merchandise.....	...	...	319.38	...	...
Miscellaneous.....	32.76	1.45	...	1,150.00	3,013.64
Total earnings.....	11,994.65	5,058.70	365,878.26	90,431.20	213,278.48
<b>EXPENSES</b>					
Power purchased.....	8,139.39	2,768.41	274,762.58	74,163.29	115,750.67
Substation operation.....	...	...	8,437.66	...	3,157.59
Substation maintenance.....	...	...	...	...	...
Distribution system, operation and maintenance.....	169.11	393.17	15,628.30	4,407.98	10,774.04
Line transformer maintenance.....	...	...	1,048.98	110.03	1,615.14
Meter maintenance.....	11.08	65.47	4,218.77	266.30	2,614.15
Consumers' premises expenses.....	51.66	...	871.53	...	894.90
Street lighting, operation and main- tenance.....	141.36	66.48	2,656.24	1,605.33	4,089.44
Promotion of business.....	...	...	...	7.95	124.55
Billing and collecting.....	416.44	107.90	6,181.82	2,583.11	6,065.05
General office, salaries and expenses	248.20	49.05	6,017.06	2,918.19	9,684.73
Undistributed expenses.....	...	...	...	656.19	2,801.55
Truck operation and maintenance.....	...	...	...	931.59	2,419.52
Interest.....	3.46	...	2,649.34	3.79	5,776.15
Sinking fund and principal pay- ments on debentures.....	...	...	1,998.64	...	9,359.17
Depreciation.....	621.00	383.00	9,565.00	2,475.00	9,593.00
Other reserves.....	...	...	...	...	...
Total operating costs and fixed charges.....	9,801.70	3,833.48	334,035.92	90,128.75	184,719.65
Net surplus or <i>deficit</i> .....	2,192.95	1,225.22	31,842.34	302.45	28,558.83
<b>NUMBER OF CUSTOMERS</b>					
Domestic service.....	102	83	1,919	876	1,756
Commercial light service.....	27	15	238	170	356
Power service.....	3	1	38	27	53
Total.....	132	99	2,195	1,073	2,165

## Electrical Utilities

## REPORTS

December 31, 1954

Toronto 682,415	Toronto Twp. 40,016	Tottenham 678	Trafalgar Twp. 9,601	Trenton 10,330	Tweed 1,607	Uxbridge 2,294
\$	\$	\$	\$	\$	\$	\$
9,756,234.52	750,370.98	9,146.95	175,167.17	127,261.99	20,573.32	29,703.22
7,276,390.54	150,350.80	4,109.22	25,745.10	51,175.95	13,593.19	12,782.59
9,715,112.43	466,119.89	1,886.81	26,466.94	155,919.59	12,457.53	9,485.05
2,075,148.84	17,164.40	471.89	...	11,845.68	1,118.58	727.52
790,060.07	40,902.91	1,365.00	562.33	15,535.15	2,444.76	2,445.58
476,262.45	2,839.33	14.85	938.32	4,625.46	954.53	67.86
30,089,208.85	1,427,748.31	16,994.72	228,879.86	366,363.82	51,141.91	55,526.67
17,139,670.36	796,828.91	10,291.33	121,616.58	264,680.27	23,995.20	33,249.64
541,785.05	...	...	...	561.39	...	...
749,014.77	2,205.48	...	...	...	...	...
1,156,888.00	31,486.16	1,411.68	12,137.97	10,637.81	1,299.70	2,055.02
149,653.67	8,316.46	60.00	3,812.81	83.12	54.32	81.77
241,703.30	4,827.40	220.53	1,732.33	4,802.84	886.35	717.83
706,297.96	22,544.69	...	615.66	627.10	...	154.42
237,882.69	6,731.13	224.89	92.16	1,263.61	736.42	372.43
307,259.74	...	...	...	...	...	...
875,252.51	44,166.85	723.33	8,129.39	8,080.70	2,367.67	2,201.16
946,802.22	42,818.28	238.70	12,796.82	10,940.13	679.68	2,669.50
1,145,815.92	...	...	...	2,166.25	...	...
...	...	128.88	...	2,203.67	...	541.97
266,761.91	64,843.49	214.53	13,142.10	...	...	...
...	51,179.45	623.30	9,628.50	...	...	...
2,341,737.65	53,367.00	760.00	8,127.00	17,033.00	2,576.00	2,184.00
...	3,460.00	...	500.00	...	...	100.00
26,806,525.75	1,132,775.30	14,897.17	192,331.32	323,079.89	32,595.34	44,327.74
3,282,683.10	294,973.01	2,097.55	36,548.54	43,283.93	18,546.57	11,198.93
158,900	9,705	200	1,943	2,848	472	618
28,507	736	56	112	382	96	130
6,563	127	7	23	71	15	19
193,970	10,568	263	2,078	3,301	583	767

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Vankleek Hill 1,504	Victoria Harbour 969	Walkerton 3,472	Wallace- burg 7,802	Wards- ville 295
Population.....					
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	15,358.50	11,702.76	46,458.06	81,000.42	3,852.86
Commercial light service.....	8,035.98	2,653.28	31,839.00	60,705.63	2,856.32
Power service—commercial.....	1,934.50	439.12	21,218.16	256,414.63	40.63
—municipal.....	...	328.37	1,471.79	7,219.07	...
Street lighting.....	1,666.12	1,098.00	5,851.50	10,047.08	720.00
Merchandise.....	...	...	318.21	...	...
Miscellaneous.....	6.08	7.86	2,164.53	3,318.50	75.28
Total earnings.....	27,001.18	16,229.39	109,321.25	418,705.33	7,545.09
<b>EXPENSES</b>					
Power purchased.....	9,461.04	9,337.52	68,317.33	310,945.91	5,486.22
Substation operation.....	...	...	...	1,692.98	...
Substation maintenance.....	...	...	...	...	...
Distribution system, operation and maintenance.....	704.44	1,477.55	5,567.78	16,695.80	95.48
Line transformer maintenance.....	90.75	222.00	818.22	426.52	35.12
Meter maintenance.....	501.21	248.51	1,927.19	4,750.56	45.87
Consumers' premises expenses.....	...	...	66.66	...	...
Street lighting, operation and main- tenance.....	209.56	212.94	841.84	2,646.75	60.89
Promotion of business.....	...	...	...	1,495.95	...
Billing and collecting.....	1,656.80	973.62	5,042.01	7,090.30	221.15
General office, salaries and expenses	823.10	545.33	5,757.96	15,671.17	172.37
Undistributed expenses.....	...	...	1,298.84	...	...
Truck operation and maintenance.....	...	...	410.59	4,417.93	...
Interest.....	2,076.92	...	8.89	79.18	...
Sinking fund and principal pay- ments on debentures.....	1,400.00	...	...	...	...
Depreciation.....	1,824.00	1,017.00	3,954.00	17,850.00	520.00
Other reserves.....	...	...	...	...	...
Total operating costs and fixed charges.....	18,747.82	14,034.47	94,011.31	383,763.05	6,637.10
Net surplus or deficit.....	8,253.36	2,194.92	15,309.94	34,942.28	907.99
<b>NUMBER OF CUSTOMERS</b>					
Domestic service.....	410	377	1,001	2,257	99
Commercial light service.....	65	37	197	352	25
Power service.....	7	1	20	74	1
Total.....	482	415	1,218	2,683	125

## Electrical Utilities

## REPORTS

December 31, 1954

Warkworth 491	Wasaga Beach 581	Waterdown 1,578	Waterford 1,841	Waterloo 14,050	Watford 1,207	Waubau- shene (V.A.)
\$	\$	\$	\$	\$	\$	\$
7,021.01	27,779.53	28,012.54	21,731.62	231,196.27	19,208.16	10,218.45
2,820.45	30,635.19	7,867.42	8,768.34	83,939.51	11,605.33	2,572.28
620.61	829.42	2,944.06	5,527.14	188,286.63	12,579.71	58.29
...	...	389.97	509.37	7,801.71	526.58	276.72
804.00	1,493.04	1,803.50	3,253.09	29,119.92	1,937.81	916.00
...	...	...	...	49.86	...	...
93.04	...	224.40	331.28	639.40	444.90	68.00
11,359.11	60,737.18	41,241.89	40,120.84	541,033.30	46,302.49	14,109.74
7,234.78	18,055.64	26,359.44	30,253.06	391,398.18	34,464.33	8,367.44
...	...	...	...	3,382.60	...	...
...	...	...	...	8,082.69	...	...
347.88	1,428.85	2,974.87	2,124.37	14,807.20	1,622.87	968.49
62.55	113.51	404.73	143.49	870.43	69.25	42.25
177.19	223.42	145.55	873.99	2,567.05	377.36	224.61
...	973.30	...	...	118.78	40.58	...
138.85	82.34	511.15	497.21	2,593.04	381.85	146.44
...	...	...	...	...	...	...
343.34	4,564.07	2,278.45	1,056.42	9,612.85	1,438.81	726.79
193.93	2,658.57	870.48	754.30	6,965.23	1,731.32	265.30
11.05	...	130.85	297.01	...	1,674.14	55.39
...	514.24	437.91	631.97	...	419.45	...
45.23	5,532.22	751.01	0.99	15,121.24	8.06	4.87
753.91	1,500.00	500.00	...	15,500.00	...	...
383.00	3,032.00	2,156.00	2,080.00	27,170.00	1,965.00	720.00
...	100.00	...	...	...	...	...
9,691.71	38,778.16	37,520.44	38,712.81	498,189.29	44,193.02	11,521.58
1,667.40	21,959.02	3,721.45	1,408.03	42,844.01	2,109.47	2,588.16
173	715	433	583	4,153	390	339
50	242	65	90	369	108	36
2	3	13	10	92	11	2
225	960	511	683	4,614	509	377

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM—Continued**

Municipality.....	Welland	Wellesley	Wellington	West Lorne
Population.....	16,287	644	1,029	1,050
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	152,262.35	9,346.07	12,840.15	11,641.08
Commercial light service.....	121,225.52	3,964.12	5,583.45	10,357.74
Power service—commercial.....	309,631.46	2,237.06	6,278.92	21,108.39
—municipal.....	9,968.52	...	...	2,421.64
Street lighting.....	23,453.88	1,002.00	1,846.50	2,098.02
Merchandise.....	...	...	...	...
Miscellaneous.....	9,138.38	58.43	674.26	3,184.55
Total earnings.....	625,680.11	16,607.68	27,223.28	50,811.42
<b>EXPENSES</b>				
Power purchased.....	422,598.99	13,446.35	17,991.60	40,462.18
Substation operation.....	23,777.68	...	...	...
Substation maintenance.....	1,688.89	...	...	...
Distribution system, operation and maintenance.....	23,963.82	1,434.94	1,844.72	512.39
Line transformer maintenance.....	3,409.46	57.02	36.41	29.58
Meter maintenance.....	16,271.67	37.00	295.32	392.50
Consumers' premises expenses.....	3,231.89	556.06	170.00	18.79
Street lighting, operation and maintenance.....	4,868.20	310.38	316.75	460.17
Promotion of business.....	...	...	...	...
Billing and collecting.....	20,918.32	502.90	941.02	1,264.30
General office, salaries and expenses..	17,948.09	420.62	1,164.07	1,823.20
Undistributed expenses.....	...	2.50	139.38	...
Truck operation and maintenance...	...	...	667.80	...
Interest.....	...	...	0.68	11.82
Sinking fund and principal payments on debentures.....	...	...	...	...
Depreciation.....	18,784.00	811.00	1,129.00	2,216.00
Other reserves.....	...	...	...	...
Total operating costs and fixed charges.....	557,461.01	17,578.77	24,696.75	47,190.93
Net surplus or deficit.....	68,219.10	971.09	2,526.53	3,620.49
<b>NUMBER OF CUSTOMERS</b>				
Domestic service.....	4,058	191	417	312
Commercial light service.....	609	53	78	84
Power service.....	115	7	15	13
Total.....	4,782	251	510	409

## Electrical Utilities

## REPORTS

December 31, 1954

Weston 8,569	Westport 671	Wheatley 1,089	Whitby 7,100	Warton 1,927	Williams- burg 279	Winchester 1,277
\$	\$	\$	\$	\$	\$	\$
158,767.69	7,923.03	12,831.94	104,508.33	21,076.57	3,169.53	16,463.90
74,803.33	6,458.93	13,842.58	36,094.98	16,443.40	2,599.62	10,527.82
142,963.31	...	9,553.43	38,345.74	12,110.64	876.82	9,346.99
...	...	1,751.39	4,076.72	1,908.28	...	...
16,072.55	1,027.17	2,432.00	8,242.83	3,756.43	665.00	1,604.48
...	...	...	578.46	32.55	...	...
1,622.27	234.66	0.11	1,645.80	519.31	541.82	198.68
394,229.15	15,643.79	40,411.45	193,492.86	55,847.18	7,852.79	38,141.87
277,675.76	8,954.16	28,877.39	117,753.38	33,620.40	6,210.25	29,904.11
3,343.06	...	...	1,397.95	...	...	...
5,527.00	852.31	2,135.60	5,908.09	5,963.86	241.17	353.62
3,010.35	15.65	101.85	2,180.06	76.65	...	72.50
980.76	436.78	164.35	3,051.29	981.70	117.65	182.19
2,456.42	...	80.25	1,473.57	...	...	...
4,666.06	125.42	601.72	3,287.10	499.52	110.50	156.20
13,837.44	1,261.38	1,128.50	8,529.11	1,987.72	461.23	1,440.62
17,790.98	1,045.23	1,224.98	14,409.29	1,745.71	333.95	640.76
...	46.93	614.92	1,698.59	698.82	...	...
5,785.00	...	949.14	698.85	1,153.40	...	...
6,200.00	...	2,005.59	69.48	0.44	...	10.11
16,477.00	669.00	2,189.00	11,310.00	2,208.00	469.00	1,694.00
584.00	...	...	...	...	...	...
358,333.83	13,406.86	40,073.29	171,766.76	48,936.22	7,943.75	34,454.11
35,895.32	2,236.93	338.16	21,726.10	6,910.96	90.96	3,687.76
2,480	216	328	1,798	579	100	400
311	61	90	239	133	36	93
62	...	15	48	22	2	8
2,853	277	433	2,085	734	138	501

**Municipal  
OPERATING  
for the Year Ended**

**SOUTHERN ONTARIO SYSTEM—Concluded**

Municipality.....	Windermere	Windsor	Wingham	Woodbridge
Population.....	129	126,034	2,717	2,013
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	4,470.95	1,630,660.41	41,146.80	32,298.88
Commercial light service.....	4,096.72	1,068,199.12	21,372.76	14,998.03
Power service—commercial.....	...	1,824,167.37	22,121.64	35,996.64
—municipal.....	...	65,074.60	1,821.77	4,132.34
Street lighting.....	340.00	202,269.76	4,079.64	2,096.02
Merchandise.....	...	8,623.60	161.04	...
Miscellaneous.....	46.81	55,546.17	3,347.50	123.81
Total earnings.....	8,954.48	4,854,541.03	94,051.15	89,645.72
<b>EXPENSES</b>				
Power purchased.....	4,062.10	2,653,195.48	55,050.86	73,104.40
Substation operation.....	...	112,482.53	*1,637.41	...
Substation maintenance.....	...	49,939.28	...	...
Distribution system, operation and maintenance.....	706.81	169,018.71	3,882.84	1,939.02
Line transformer maintenance.....	103.25	49,026.76	125.97	391.47
Meter maintenance.....	169.40	48,894.16	1,634.68	24.48
Consumers' premises expenses.....	36.20	75,464.50	3,352.97	2.50
Street lighting, operation and maintenance.....	80.79	90,040.07	659.42	590.06
Promotion of business.....	...	12,490.12	172.16	...
Billing and collecting.....	289.06	146,916.86	3,504.62	3,529.41
General office, salaries and expenses	373.09	100,241.65	5,053.57	2,037.32
Undistributed expenses.....	...	55,652.83	524.55	...
Truck operation and maintenance...	...	37,350.05	573.49	...
Interest.....	0.18	10,230.00	20.68	23.09
Sinking fund and principal payments on debentures.....	...	...	...	...
Depreciation.....	763.00	240,460.00	5,912.00	2,615.00
Other reserves.....	...	2,500.00	400.00	...
Total operating costs and fixed charges.....	6,583.88	3,853,903.00	82,505.22	84,256.75
Net surplus or deficit.....	2,370.60	1,000,638.03	11,545.93	5,388.97
<b>NUMBER OF CUSTOMERS</b>				
Domestic service.....	95	31,019	790	528
Commercial light service.....	16	4,073	165	98
Power service.....	...	672	30	14
Total.....	111	35,764	985	640

\* Generation expense

## Electrical Utilities

## REPORTS

December 31, 1954

Woodstock 16,891	Woodville 420	Wyoming 757	York Twp. 105,995	Zurich 607	TOTAL SOUTHERN ONTARIO SYSTEM
\$	\$	\$	\$	\$	\$
276,406.36	5,233.08	7,142.50	1,581,576.43	10,312.60	46,810,329.84
148,163.07	2,200.21	4,441.17	437,190.73	6,079.23	24,075,844.79
265,187.17	772.81	6,273.28	509,697.88	313.68	36,036,426.16
11,165.21	...	...	...	407.96	3,210,037.08
17,046.24	816.00	1,142.00	78,869.47	1,227.00	3,773,098.32
3,793.42	182.06	78.54	5,202.54	164.37	42,978.45
721,761.47	9,204.16	19,077.49	2,612,537.05	18,504.84	115,214,755.30
469,204.07	6,528.70	12,220.48	1,592,711.47	12,860.27	71,975,156.18
6,633.09	...	...	7,953.48	...	2,032,243.05
4,250.63	...	...	10,746.65	...	1,109,534.13
17,003.63	744.19	360.52	51,652.94	677.96	3,769,503.24
2,118.32	62.62	74.88	26,621.07	251.92	613,979.28
10,140.26	95.56	6.35	27,077.49	30.83	1,118,376.86
16,907.19	...	...	37,463.10	48.30	1,552,413.28
2,998.80	170.17	195.82	17,342.34	90.89	930,652.84
122.29	...	...	...	...	400,361.94
14,248.56	494.12	880.12	132,232.52	982.65	3,538,638.09
17,735.24	410.45	169.65	100,390.59	823.55	3,387,380.04
6,269.90	...	24.38	...	37.43	1,563,150.82
3,577.99	175.31	...	...	...	219,292.23
9,779.03	8.31	2.23	...	114.05	1,626,194.85
26,910.97	...	...	...	...	1,406,509.48
33,609.00	389.00	1,109.00	124,896.00	753.00	6,277,456.89
...	...	...	6,321.16	...	137,324.01
641,508.97	9,078.43	15,043.43	2,135,408.81	16,670.85	101,658,167.21
80,252.50	125.73	4,034.06	477,128.24	1,833.99	13,556,588.09
4,982	137	241	30,035	218	857,618
669	35	49	2,222	54	113,069
138	2	5	370	2	20,344
5,789	174	295	32,627	274	991,031

**Municipal  
OPERATING  
for the Year Ended**

**NORTHERN ONTARIO PROPERTIES**

Municipality.....	Cache Bay	Capreol	Cochrane	Dryden
Population.....	779	2,155	3,563	3,104
<b>EARNINGS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Domestic service.....	7,675.04	42,271.79	59,373.48	73,352.37
Commercial light service.....	1,675.65	9,958.28	39,014.22	46,028.03
Power service—commercial.....	21,223.10	10,669.13	13,223.06	2,285.81
—municipal.....		861.00	2,430.44	810.00
Street lighting.....	837.00	3,472.34	3,439.74	5,307.50
Merchandise.....	23.68	50.00		
Miscellaneous.....	...	...	...	1,050.82
Total earnings.....	31,434.47	67,282.54	117,480.94	128,834.53
<b>EXPENSES</b>				
Power purchased.....	19,409.24	41,471.73	58,403.57	73,326.34
Substation operation.....	...	750.43	6,798.17	...
Substation maintenance.....	...	...	...	...
Distribution system, operation and maintenance.....	137.59	3,306.72	8,219.33	11,409.00
Line transformer maintenance.....	...	320.03	714.43	722.43
Meter maintenance.....	196.24	951.22	1,818.78	1,733.61
Consumers' premises expenses.....	...	...	1,704.14	1,331.77
Street lighting, operation and maintenance.....	224.08	783.44	1,321.51	1,877.03
Promotion of business.....	...	...	...	...
Billing and collecting.....	660.58	3,504.00	7,617.28	6,295.59
General office, salaries and expenses..	499.72	1,943.73	8,289.91	4,495.98
Undistributed expenses.....	15.35	176.81	2,775.49	2,021.35
Truck operation and maintenance.....	...	650.00	1,221.62	1,612.29
Interest.....	880.00	2,227.75	5,415.30	2,989.44
Sinking fund and principal payments on debentures.....	2,000.00	1,700.00	5,250.00	3,558.76
Depreciation.....	969.00	2,530.00	6,537.47	5,367.00
Other reserves.....	...	...	...	...
Total operating costs and fixed charges.....	24,991.80	60,315.86	116,087.00	116,740.59
Net surplus or deficit.....	6,442.67	6,966.68	1,393.94	12,093.94
<b>NUMBER OF CUSTOMERS</b>				
Domestic service.....	177	636	917	1,069
Commercial light service.....	16	76	192	168
Power service.....	3	2	28	18
Total.....	196	714	1,137	1,255

## Electrical Utilities

## REPORTS

December 31, 1954

Fort William 37,630	Hearst 2,060	Kapuskasing 5,321	Larder Lake Twp. 1,940	Latchford 583	McGarry 2,311	Nipigon Twp. 2,208
\$	\$	\$	\$	\$	\$	\$
547,725.91	37,053.60	80,089.80	22,475.79	4,671.60	22,569.07	22,333.29
257,740.11	43,424.83	72,062.68	8,337.67	4,628.74	12,260.54	19,353.41
430,155.76	3,665.55	7,151.01	167.33	1,532.95	1,494.65	1,325.79
19,115.42	1,759.99	...	1,405.35	...	...	558.98
41,761.11	1,646.20	5,133.08	2,404.38	555.00	1,722.18	2,392.00
24,920.80	...	129.75	...	...	...	348.50
1,321,419.11	87,550.17	164,566.32	34,790.52	11,388.29	38,046.44	46,311.97
920,976.85	29,592.50	86,958.94	23,243.24	4,804.23	27,223.88	25,940.59
44,003.67	727.81	684.21	...	...	...	...
5,067.07	...	...	...	...	...	...
25,164.70	3,695.01	6,963.49	2,463.92	409.19	843.46	3,749.42
4,696.38	363.30	837.33	110.00	30.98	258.35	322.62
20,901.20	866.01	3,837.17	726.96	137.97	279.11	1,183.78
18,604.98	17.43	15.34	...	...	...	...
13,383.11	282.47	2,024.36	427.40	79.31	443.17	457.81
587.57	...	...	...	...	...	...
47,047.45	3,774.09	8,101.52	2,380.79	337.12	2,615.83	1,858.05
27,060.03	2,338.72	6,654.31	2,246.11	346.33	1,448.54	2,291.62
...	221.17	2,955.92	110.88	5.58	11.62	606.11
...	1,248.67	1,131.56	...	...	...	504.48
26,185.00	5,398.60	3,555.94	559.14	600.00	480.00	...
22,254.84	4,800.00	4,476.05	1,100.00	800.00	1,000.00	...
60,006.00	3,184.00	3,706.54	1,590.00	506.00	1,347.00	2,113.00
...	...	...	...	...	...	...
1,235,938.85	56,509.78	131,902.68	34,958.44	8,056.71	35,950.96	39,027.48
85,480.26	31,040.39	32,663.64	167.92	3,331.58	2,095.48	7,284.49
9,873	544	1,363	478	125	343	486
1,351	133	238	63	31	54	105
207	11	28	4	2	2	5
11,431	688	1,629	545	158	399	596

**Municipal  
OPERATING  
for the Year Ended**

**NORTHERN ONTARIO PROPERTIES—Concluded**

Municipality.....	North Bay	Port Arthur	Red Rock	Schreiber Twp. 1,915
Population.....	20,160	35,305	1,643	
EARNINGS	\$	\$	\$	\$
Domestic service.....	263,803.37	488,603.15	16,649.11	26,762.54
Commercial light service.....	151,615.83	250,254.74	9,124.54	11,454.47
Power service—commercial.....	91,463.04	487,920.09	100.54	5,718.34
—municipal.....	6,594.15	29,487.19	634.99	...
Street lighting.....	16,688.42	40,362.00	1,317.60	3,063.00
Merchandise.....	...	...	...	...
Miscellaneous.....	...	2,959.08	169.39	317.98
Total earnings.....	530,164.81	1,299,586.25	27,996.17	47,316.33
EXPENSES				
Power purchased.....	367,116.46	938,082.44	15,540.11	19,901.27
Substation operation.....	5,114.77	* 39,029.77	...	...
Substation maintenance.....	...	14,526.90	...	...
Distribution system, operation and maintenance.....	20,836.14	45,571.87	816.61	1,746.06
Line transformer maintenance.....	1,905.94	3,479.60	...	172.94
Meter maintenance.....	7,267.10	14,330.83	246.28	723.18
Consumers' premises expenses.....	6,449.18	...	...	...
Street lighting, operation and main- tenance.....	4,019.44	9,411.51	128.57	649.32
Promotion of business.....	...	3,327.44	...	...
Billing and collecting.....	28,364.36	46,541.36	1,045.36	2,967.14
General office, salaries and expenses..	34,926.01	21,467.85	1,491.03	1,972.56
Undistributed expenses.....	4,774.61	...	...	115.54
Truck operation and maintenance....	...	1,457.64	...	610.10
Interest.....	10,844.45	...	779.47	1,427.48
Sinking fund and principal pay- ments on debentures.....	7,000.00	...	1,430.00	4,324.50
Depreciation.....	17,210.00	83,508.37	1,505.00	1,812.00
Other reserves.....	...	4,500.00	...	...
Total operating costs and fixed charges.....	515,828.46	1,225,235.58	22,982.43	36,422.09
Net surplus or deficit.....	14,336.35	74,350.67	5,013.74	10,894.24
NUMBER OF CUSTOMERS				
Domestic service.....	4,925	9,811	276	462
Commercial light service.....	869	1,288	24	51
Power service.....	116	175	2	3
Total.....	5,910	11,274	302	516

\* Includes \$18,262.25 generation expense

## Electrical Utilities

## REPORTS

December 31, 1954

Sioux Lookout 2,453	Sturgeon Falls 5,518	Sudbury 46,631	Terrace Bay 1,690	West Ferris Twp. 3,160	TOTAL NORTHERN ONTARIO PROPERTIES	TOTAL ALL SYSTEMS
\$	\$	\$	\$	\$	\$	\$
46,908.55	53,773.43	777,515.96	33,372.99	50,630.97	2,677,611.81	49,487,941.65
26,975.40	41,153.63	387,561.48	18,238.91	18,443.31	1,429,306.47	25,505,151.26
12,080.17	2,200.75	99,145.42	6,426.82	701.92	1,198,651.23	37,235,077.39
2,098.35	2,465.88	17,795.21	...	...	86,016.95	3,296,054.03
5,084.09	7,836.65	66,251.18	3,096.54	1,141.49	213,511.50	3,986,609.82
332.31	...	3,666.74	2,245.97	47.00	73.68	43,052.13
93,478.87	107,430.34	1,351,935.99	63,381.23	70,964.69	36,188.34	1,302,229.00
54,757.64	52,942.66	791,583.00	27,629.15	35,452.35	3,614,356.19	75,589,512.37
...	178.06	27,603.28	...	43.35	124,933.52	2,157,176.57
...	...	5,935.10	...	...	25,529.07	1,135,063.20
4,153.12	8,261.21	63,189.91	1,172.17	5,612.70	217,721.62	3,987,224.86
1,227.03	1,028.73	4,146.74	16.80	456.34	20,809.97	634,789.25
1,673.11	2,845.83	30,879.26	950.35	1,241.00	92,788.99	1,211,165.85
...	...	23,920.95	...	1.17	52,044.96	1,604,458.24
993.40	1,825.62	23,176.97	287.93	342.66	62,139.11	992,791.95
4,326.71	5,430.47	42,153.23	2,365.22	3,613.30	3,915.01	404,276.95
4,208.93	7,847.00	31,096.79	1,683.40	3,126.10	220,999.45	3,759,637.54
460.53	4,510.48	1,043.42	...	19.71	165,434.67	3,552,814.71
1,480.30	968.46	...	...	1,028.16	19,824.57	1,582,975.39
...	3,339.06	22,391.14	2,315.23	6,440.42	11,913.28	231,205.51
...	...	46,828.17	3,900.00	3,750.00	95,828.42	1,722,023.27
2,372.00	5,078.00	63,429.00	3,044.00	4,089.80	114,172.32	1,520,681.80
...	...	...	...	...	269,904.18	6,547,361.07
...	...	...	...	...	4,500.00	141,824.01
75,652.77	94,255.58	1,177,376.96	43,364.25	65,217.06	5,116,815.33	106,774,982.54
17,826.10	13,174.76	174,559.03	20,016.98	5,747.63	524,544.65	14,081,132.74
716	1,168	12,548	347	1,067	47,331	904,949
115	196	1,474	37	72	6,553	119,622
17	16	181	2	5	827	21,171
848	1,380	14,203	386	1,144	54,711	1,045,742

## STATEMENT "C"

Statement "C" is the schedule of rates for electrical service—domestic, commercial light, and power—in the municipalities served either by the municipal electrical utilities or directly by the Commission through local distribution systems. Municipalities served through the facilities of the rural power district are not included.

### **Rates to Customers**

The Power Commission Act stipulates that "The rates chargeable by any municipal corporation generating or receiving and distributing electrical power or energy shall be subject at all times to the approval and control of the Commission." (R.S.O. 1950, c. 281, s. 104.)

In accordance with the Act and the Commission's fundamental principle of providing service at cost, the Commission exercises a continuous supervision over rates charged to customers and requires that accurate cost records be kept in each municipality. On the basis of this cost, rate schedules are designed for each of the three main classes of electrical service—residential or domestic, commercial light, and power—and the schedules in use in 1954 are given in this statement.

Customers using continuous electric water-heaters may purchase energy at a low flat rate, a fixed charge per month based on the capacity of the heating element and dependent on the cost of power to the municipal utility. The electric energy consumed by these heaters is not metered. Current for booster heaters used in water-heating equipment to supplement the capacity of the continuous heater is measured and charged for at regular rates.

**Domestic Service:** Domestic rates apply to electrical service for all household purposes in residences. Lighting, cooking, and the operation of all domestic electrical appliances are included.

**Commercial Light Service:** Electric energy is billed at commercial light rates when it is used in stores, offices, churches, schools, public halls and institutions, hotels, public boarding houses, and in all other premises for commercial purposes. Sign and display lighting is included.

**Power Service:** The rate schedules for power service in Statement "C" cover retail supply to power customers of the municipal utilities and local systems. Certain large power customers served directly by the Commission are excepted from this schedule.

Power service rates, as given in the tables, are for 24-hour unrestricted power at secondary distribution voltage. Customers providing their own step-down transformation are granted on the basis of their billing demand an allowance of 27 cents per kilowatt per month gross for service at sub-transmission voltage and an allowance of 17 cents per kilowatt per month

gross for service at primary distribution voltage. In municipalities where load conditions and other circumstances permit, restricted power may be available at lower rates, and discounts in addition to those listed are applicable. The service charge is based on the connected load, or on the maximum demand where a demand meter is installed.

In order to simplify billing procedure, the power demand of power service customers is billed by using the kilowatt rather than horsepower. However, the annual basis-rate continues to be shown per horsepower of demand. The figure given shows approximately the net annual amount payable for a demand of one horsepower. It represents the cost of power assuming that the demand is used for an average of 130 hours monthly including 30 hours at the third energy rate. This net amount payable is the basis of the energy rates given. At the same time, it serves as an indication of the relative cost of power service in the various municipalities listed.

Municipal Electrical  
RATES FOR  
as at

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Acton .....	45	60	3.2	1.3	0.83
Ailsa Craig .....	51	60	3.2	1.2	0.83
†Ajax .....	39	60	4.0	1.5	0.83
Alexandria .....	58	60	3.0	1.0	1.11
†Alfred .....	...	a20	4.0	2.0	...
Alliston .....	43	60	3.1	1.0	1.11
Almonte .....	37	60	2.5	1.0	0.83
Alvinston .....	54	60	3.5	1.0	0.83
Amherstburg .....	51	60	3.5	1.2	1.11
Ancaster Twp. (including Ancaster) ..	43	60	4.2	1.2	1.11
Apple Hill .....	56	60	4.0	1.0	1.39
Arkona .....	51	60	4.4	1.2	1.11
Arnprior .....	42	60	2.9	1.0	0.83
Arthur .....	45	60	3.3	1.2	1.11
Athens .....	40	60	2.0	1.0	1.11
†Atikokan .....	43	60	4.4	1.5	1.67
Aurora .....	42	60	2.7	1.1	0.83
Aylmer .....	45	60	2.5	1.0	0.83
Ayr .....	44	60	3.1	1.2	1.11
Baden .....	42	60	3.3	1.3	0.83
†Bala .....	36	b50	3.7	1.2	1.66
Bancroft .....	53	60	3.5	1.3	1.39
Barrie .....	40	60	2.4	0.8	0.83
Barry's Bay .....	47	60	4.7	1.6	1.67
Bath .....	40	60	3.5	1.2	1.67
Beachville .....	46	60	3.3	1.4	1.11
Beamsville .....	43	60	2.7	1.2	0.83
†Beardmore .....	43	60	4.4	1.5	1.67
Beaverton .....	45	60	2.8	1.2	1.39
Beeton .....	50	60	3.8	1.2	1.39
Belle River .....	45	60	4.0	1.4	1.39
Belleville .....	35	60	1.8	0.8	0.83
Blenheim .....	48	60	2.6	1.1	1.11
†Blind River .....	50	60	4.0	1.5	1.67
Bloomfield .....	54	60	2.5	0.9	0.83
Blyth .....	47	60	2.9	1.1	1.11
Bobcaygeon .....	47	60	5.0	1.25	2.22
Bolton .....	46	60	3.0	1.1	0.83
Bothwell .....	52	60	2.6	1.0	0.83
Bowmanville .....	40	60	3.0	1.0	0.83

† Local system.  
See explanatory notes on pages 250 and 251

## Utilities and Local Systems

## ELECTRICAL SERVICE

December 31, 1954

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hours per month per kwh	Second 50 hours per month per kwh	All addition per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.7	1.2	0.83	26.00	1.35	2.2	1.4	0.33
5.0	2.7	1.0	0.83	28.00	1.35	2.5	1.6	0.33
5.0	3.5	1.3	0.83	27.00	1.35	2.3	1.5	0.33
5.0	2.6	0.8	1.11	35.00	1.35	3.5	2.3	0.33
Same as domestic				Special				
5.0	2.6	1.0	1.11	23.00	1.20	1.9	1.3	0.30
5.0	2.3	1.0	0.83	20.00	1.20	1.4	0.9	0.30
5.0	3.0	0.9	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.9	0.8	1.11	28.00	1.35	2.5	1.6	0.33
5.0	3.6	1.0	1.11	31.00	1.35	2.9	1.9	0.33
5.0	3.5	1.0	1.39	30.00	1.35	2.8	1.8	0.33
5.0	3.9	1.0	1.11	39.00	1.35	4.1	2.7	0.33
5.0	2.6	1.0	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.8	1.0	1.11	25.00	1.35	2.0	1.3	0.33
5.0	1.5	0.8	1.11	23.00	1.20	1.9	1.3	0.30
5.0	3.9	1.5	1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.0	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.0	0.7	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.6	1.1	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.7	1.1	0.83	25.00	1.35	2.0	1.3	0.33
5.0	3.7	0.8	1.66	20.00	1.20	1.4	0.9	0.30
5.0	3.0	1.2	1.39	24.00	1.20	2.1	1.4	0.30
5.0	2.0	0.6	0.83	18.00	1.00	1.4	0.9	0.25
5.0	4.0	1.5	1.67	32.00	1.35	3.1	2.0	0.33
5.0	3.0	1.2	1.67	35.00	1.35	3.5	2.3	0.33
5.0	2.8	1.2	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.3	1.1	0.83	23.00	1.20	1.9	1.3	0.30
5.0	3.9	1.5	1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.2	1.0	1.39	25.00	1.35	2.0	1.3	0.33
5.0	3.4	1.2	1.39	30.00	1.35	2.8	1.8	0.33
5.0	3.4	1.1	1.39	33.00	1.35	3.2	2.1	0.33
5.0	1.6	0.6	0.83	17.00	1.00	1.3	0.8	0.25
5.0	2.2	0.9	1.11	27.00	1.35	2.3	1.5	0.33
5.0	3.5	1.5	1.67	32.00	1.35	3.1	2.0	0.33
5.0	2.3	0.7	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.4	1.1	1.11	32.00	1.35	3.1	2.0	0.33
5.0	5.0	1.0	2.22	35.00	1.35	3.5	2.3	0.33
5.0	2.5	1.1	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.1	0.7	0.83	27.00	1.35	2.3	1.5	0.33
5.0	2.4	0.8	0.83	21.00	1.20	1.6	1.0	0.30

# Municipal Electrical RATES FOR as at

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Bradford.....	40	45	4.2	1.0	1.39
Braeside.....	49	50	4.0	1.3	0.83
Brampton.....	45	60	2.5	1.2	0.83
Brantford.....	44	60	2.2	1.2	0.83
Brantford Twp.....	45	60	3.4	1.3	1.11
Brechin.....	45	60	3.5	1.0	1.11
Bridgeport.....	41	60	3.0	1.0	0.83
Brigden.....	53	60	3.0	0.9	1.11
Brighton.....	42	60	3.6	1.1	0.83
Brockville.....	38	60	2.0	1.0	0.83
Bronte.....	43	60	3.0	1.5	0.83
Brussels.....	49	60	3.2	1.0	1.11
Burford.....	43	60	2.9	1.1	0.83
Burgessville.....	52	60	4.0	1.0	1.11
Burk's Falls.....	47	50	5.0	1.5	2.50
Burlington.....	42	60	3.8	1.4	1.11
†Burlington Beach.....	33	60	3.5	1.1	0.83
Cache Bay.....	52	60	6.0	2.0	1.67
Caledonia.....	43	60	2.4	1.2	1.11
Campbellville.....	50	60	3.0	1.3	1.11
Cannington.....	48	60	3.2	1.0	1.11
Capreol.....	43	60	3.5	1.3	1.39
Cardinal.....	40	55	2.8	1.1	1.11
Carleton Place.....	37	55	2.8	1.1	1.11
Casselman.....	42	60	5.0	2.0	1.11
Cayuga.....	46	60	3.5	1.0	1.39
Chatham.....	48	60	3.8	1.4	1.11
Chatsworth.....	46	60	3.2	1.1	1.39
Chesley.....	45	60	2.7	1.0	1.11
Chesterville.....	44	55	2.3	0.9	0.83
Chippawa.....	40	60	3.1	1.4	1.11
Clifford.....	48	60	3.8	1.5	1.11
Clinton.....	46	60	2.8	1.0	0.83
†Cobalt.....	42	60	4.2	1.5	0.83
Cobden.....	31	40	2.8	1.0	1.11
Cobourg.....	44	60	2.9	1.4	0.83
Cochrane.....	42	60	3.0	1.4	0.83
Colborne.....	43	60	3.8	1.0	0.83
Coldwater.....	45	b55	2.5	1.0	1.11
Collingwood.....	43	60	2.5	1.1	1.11

† Local system.

See explanatory notes on pages 250 and 251

## Utilities and Local Systems

## ELECTRICAL SERVICE

December 31, 1954

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hours per month per kwh	Second 50 hours per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	3.7	1.0	1.39	25.00	1.35	2.0	1.3	0.33
5.0	4.0	1.0	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.0	1.1	0.83	21.00	1.20	1.6	1.0	0.30
5.0	1.8	0.7	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.9	1.0	1.11	24.00	1.20	2.1	1.4	0.30
5.0	3.0	1.0	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.7	0.9	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.5	0.7	1.11	30.00	1.35	2.8	1.8	0.33
5.0	3.1	1.0	0.83	23.00	1.20	1.9	1.3	0.30
5.0	1.7	0.8	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.5	1.5	0.83	26.00	1.35	2.2	1.4	0.33
5.0	2.7	0.8	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.4	1.1	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.5	0.8	1.11	31.00	1.35	2.9	1.9	0.33
5.0	4.5	1.5	2.50	30.00	1.35	2.8	1.8	0.33
5.0	3.2	1.0	1.11	29.00	1.35	2.6	1.7	0.33
5.0	3.2	0.7	0.83	27.00	1.35	2.3	1.5	0.33
5.0	6.0	2.0	1.67	38.00	1.35	4.0	2.6	0.33
5.0	1.9	1.1	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.8	1.1	1.11	35.00	1.35	3.5	2.3	0.33
5.0	2.8	0.9	1.11	26.00	1.35	2.2	1.4	0.33
5.0	3.0	1.1	1.39	31.00	1.35	2.9	1.9	0.33
5.0	2.3	1.0	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.3	0.9	1.11	20.00	1.20	1.4	0.9	0.30
5.0	4.5	2.0	1.11	28.00	1.35	2.5	1.6	0.33
5.0	3.0	0.8	1.39	30.00	1.35	2.8	1.8	0.33
5.0	3.3	1.2	1.11	25.00	1.35	2.0	1.3	0.40
5.0	2.7	1.1	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.3	1.0	1.11	23.00	1.20	1.9	1.3	0.30
5.0	2.0	0.9	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.6	1.3	1.11	23.00	1.20	1.9	1.3	0.30
5.0	3.5	1.5	1.11	33.00	1.35	3.2	2.1	0.33
5.0	2.4	1.0	0.83	28.00	1.35	2.5	1.6	0.33
5.0	3.7	1.5	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.5	1.0	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.4	1.3	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.8	1.0	0.83	27.00	1.35	2.3	1.5	0.33
5.0	3.0	1.0	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.5	1.0	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.0	1.1	1.11	21.00	1.20	1.6	1.0	0.30

# Municipal Electrical RATES FOR as at

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Comber .....	52	60	3.3	1.2	0.83
Cookstown .....	51	45	4.3	1.0	1.39
Cottam .....	50	60	3.3	1.2	0.83
Courtright .....	59	60	3.0	1.1	1.11
Creemore .....	53	50	3.1	1.0	1.39
Dashwood .....	50	60	4.1	1.4	1.11
Delaware .....	46	60	3.8	1.4	1.11
Delhi .....	43	60	3.2	1.0	0.83
Deseronto .....	51	60	3.9	1.0	0.83
Dorchester .....	47	60	2.8	1.2	0.83
Drayton .....	59	55	4.0	1.3	1.11
Dresden .....	45	60	3.0	1.1	1.11
Drumbo .....	41	60	3.5	1.0	1.11
Dryden .....	49	60	4.5	1.5	1.11
Dublin .....	55	60	3.5	1.1	1.11
Dundalk .....	44	60	2.7	1.0	1.11
Dundas .....	38	60	2.5	1.0	0.83
Dunnville .....	49	60	2.6	1.5	0.83
Durham .....	58	60	2.7	1.1	1.11
Dutton .....	51	60	2.9	1.2	0.83
East York Twp. ....	42	60	2.5	1.3	0.83
Eganville .....	44	60	5.0	1.3	1.11
†Elk Lake Townsite ..	42			Special	
Elmira .....	45	60	3.2	0.9	1.11
Elmvale .....	46	60	2.9	1.1	1.39
Elmwood .....	53	50	3.5	0.9	1.11
Elora .....	44	60	3.2	1.4	1.11
Embro .....	44	60	3.3	1.1	0.83
†Englehart .....	50	60	4.5	1.5	0.83
Erieau .....	51	60	3.7	1.0	1.11
Erie Beach .....	61	60	5.3	1.5	1.67
Erin .....	50	40	5.0	1.5	1.39
Essex .....	51	60	2.9	1.2	1.11
Etobicoke Twp. (including Thistle- town) .....	40	60	2.7	1.3	0.83
Exeter .....	47	60	3.0	1.3	1.11
Fergus .....	45	60	3.3	1.3	1.11
Finch .....	51	45	3.0	1.2	1.39
Flesherton .....	37	60	2.3	1.0	1.11
Fonthill .....	41	60	3.0	1.3	0.83
Forest .....	50	60	3.4	1.0	0.83

† Local system.  
See explanatory notes on pages 250 and 251

## Utilities and Local Systems

## ELECTRICAL SERVICE

December 31, 1954

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hours per month per kwh	Second 50 hours per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.8	1.1	0.83	31.00	1.35	2.9	1.9	0.33
5.0	3.8	1.0	1.39	25.00	1.35	2.0	1.3	0.33
5.0	2.8	1.2	0.83	33.00	1.35	3.2	2.1	0.33
5.0	3.2	1.0	1.11	39.00	1.35	4.1	2.7	0.33
5.0	2.6	0.9	1.39	21.00	1.20	1.6	1.0	0.30
5.0	3.7	1.3	1.11	34.00	1.35	3.4	2.2	0.33
5.0	3.4	1.4	1.11	32.00	1.35	3.1	2.0	0.33
5.0	2.6	0.8	0.83	25.00	1.35	2.0	1.3	0.33
5.0	3.5	0.9	0.83	28.00	1.35	2.5	1.6	0.33
5.0	2.4	1.1	0.83	27.00	1.35	2.3	1.5	0.33
5.0	3.4	0.7	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.5	0.8	1.11	25.00	1.35	2.0	1.3	0.33
5.0	3.0	0.8	1.11	25.00	1.35	2.0	1.3	0.33
5.0	3.8	2.0	1.11	30.00	1.35	2.8	1.8	0.33
5.0	3.0	0.8	1.11	34.00	1.35	3.4	2.2	0.33
5.0	2.3	0.8	1.11	20.00	1.20	1.4	0.9	0.30
5.0	2.1	0.7	0.83	19.00	1.00	1.5	1.1	0.25
5.0	2.2	1.5	0.83	27.00	1.35	2.3	1.5	0.33
5.0	2.4	1.0	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.4	1.0	0.83	26.00	1.35	2.2	1.4	0.33
5.0	2.0	0.9	0.83	21.00	1.20	1.6	1.0	0.30
5.0	4.4	1.2	1.11	32.00	1.35	3.1	2.0	0.33
Special				Special				
5.0	2.6	0.8	1.11	23.00	1.20	1.9	1.3	0.30
5.0	2.4	1.0	1.39	29.00	1.35	2.6	1.7	0.33
5.0	3.0	0.8	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.8	1.4	1.11	25.00	1.35	2.0	1.3	0.33
5.0	2.7	0.7	0.83	32.00	1.35	3.1	2.0	0.33
5.0	4.0	1.5	0.83	32.00	1.35	3.1	2.0	0.33
5.0	3.5	0.9	1.11	38.00	1.35	4.0	2.6	0.33
5.0	4.8	1.0	1.67	39.00	1.35	4.1	2.7	0.33
5.0	4.0	1.0	1.39	36.00	1.35	3.7	2.4	0.33
5.0	2.4	1.0	1.11	25.00	1.35	2.0	1.3	0.33
5.0	2.2	0.8	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.6	0.8	1.11	24.00	1.20	2.1	1.4	0.30
5.0	2.8	1.1	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.8	1.0	1.39	35.00	1.35	3.5	2.3	0.33
5.0	1.9	1.0	1.11	21.00	1.20	1.6	1.0	0.30
5.0	2.5	1.2	0.83	28.00	1.35	2.5	1.6	0.33
5.0	2.9	0.7	0.83	32.00	1.35	3.1	2.0	0.33

Municipal Electrical  
RATES FOR  
as at

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Forest Hill.....	40	60	2.5	1.4	0.83
Fort William.....	34	60	2.0	0.8	0.83
Frankford.....	34	60	3.0	1.1	0.83
Galt.....	40	60	3.0	1.1	0.83
Georgetown.....	45	60	2.9	1.4	0.83
Glen Williams.....	45	60	3.6	1.6	0.83
†Geraldton.....	43	60	4.4	1.5	1.67
Glencoe.....	52	60	3.0	0.9	1.11
Goderich.....	52	60	3.3	1.4	0.83
Grand Bend.....	52	60	4.4	1.5	1.39
Grand Valley.....	50	60	3.0	1.2	1.11
Granton.....	50	60	3.9	1.4	1.11
Gravenhurst.....	40	60	2.1	1.0	1.11
Grimsby.....	46	60	2.5	1.1	0.83
Guelph.....	41	60	2.5	1.1	0.83
Hagersville.....	41	60	2.8	1.1	0.83
†Haileybury.....	37	60	3.9	1.2	0.83
Hamilton.....	46	60	2.6	1.1	0.83
Hanover.....	42	60	2.2	1.0	0.83
Harriston.....	48	60	3.4	1.4	0.83
Harrow.....	49	60	3.5	1.4	0.83
Hastings.....	52	45	4.2	1.0	1.11
Havelock.....	45	60	3.6	1.5	0.83
Hawkesbury.....	36	60	4.0	1.5	1.11
Hearst.....	60	60	8.0	2.0	2.78
Hensall.....	48	60	3.2	1.0	0.83
†Hepworth.....	50	60	4.0	1.2	1.67
Hespeler.....	42	60	3.2	1.1	0.83
Highgate.....	47	60	3.2	0.9	0.83
Holstein.....	75	60	3.0	1.0	1.11
†Hudson Townsite.....	45	60	4.4	1.7	1.67
Huntsville.....	40	60	2.4	1.2	1.11
†Ignace.....	60	60	8.0	2.0	2.22
Ingersoll.....	46	60	3.4	1.3	1.11
Iroquois.....	43	60	2.8	1.2	0.83
Jarvis.....	44	60	2.8	0.9	0.83
†Jellicoe Townsite.....	45	60	4.4	1.7	1.67
Kapuskasing.....	42	60	3.2	1.5	0.83
†Kearns Townsite.....	45	c40	3.5	<sup>1</sup> /1.6 0.75	<sup>2</sup> /1.67 <sup>3</sup> /2.25
Kemptville.....	45	55	3.2	1.0	0.83
Kincardine.....	45	50	3.1	1.0	1.11

† Local system.  
See explanatory notes on pages 250 and 251

**Utilities and Local Systems**  
**ELECTRICAL SERVICE**  
**December 31, 1954**

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hours per month per kwh	Second 50 hours per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.0	1.2	0.83	21.00	1.20	1.6	1.0	0.30
5.0	1.9	0.4	0.83	18.00	1.00	1.4	0.9	0.25
5.0	2.5	1.0	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.5	1.0	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.4	1.4	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.1	1.6	0.83	29.00	1.35	2.6	1.7	0.33
5.0	3.9	1.5	1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.6	0.8	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.9	1.1	0.83	31.00	1.35	2.9	1.9	0.33
5.0	3.9	1.3	1.39	32.00	1.35	3.1	2.0	0.33
5.0	2.5	1.2	1.11	24.00	1.20	2.1	1.4	0.30
5.0	3.4	1.3	1.11	29.00	1.35	2.6	1.7	0.33
5.0	1.6	0.9	1.11	20.00	1.20	1.4	0.9	0.30
5.0	2.0	1.0	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.0	0.9	0.83	19.50	1.00	1.5	1.1	0.30
5.0	2.3	0.9	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.4	1.2	0.83	25.00	1.35	2.0	1.3	0.33
5.0	1.9	0.7	0.83	18.50	1.00	1.4	0.9	0.40
5.0	1.7	1.0	0.83	19.00	1.00	1.5	0.9	0.30
5.0	3.0	1.3	0.83	30.00	1.35	2.8	1.8	0.33
5.0	3.1	1.2	0.83	30.00	1.35	2.8	1.8	0.33
5.0	3.6	1.0	1.11	37.00	1.35	3.8	2.5	0.33
5.0	3.1	1.3	0.83	30.00	1.35	2.8	1.8	0.33
5.0	3.5	1.5	1.11	25.00	1.35	2.0	1.3	0.33
5.0	7.5	2.0	2.78	45.00	1.35	4.9	3.3	0.33
5.0	2.7	0.9	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.5	1.0	1.67	39.00	1.35	4.1	2.7	0.33
5.0	2.6	0.9	0.83	21.00	1.20	1.6	1.0	0.33
5.0	2.8	0.7	0.83	29.00	1.35	2.6	1.7	0.33
5.0	2.5	0.8	1.11	35.00	1.35	3.5	2.3	0.33
5.0	3.9	1.5	1.67	37.00	1.35	3.8	2.5	0.33
5.0	2.2	1.1	1.11	21.00	1.20	1.6	1.0	0.30
5.0	7.5	2.0	2.22	45.00	1.35	4.9	3.3	0.33
5.0	2.8	0.8	1.11	23.00	1.20	1.9	1.3	0.30
5.0	2.3	1.0	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.3	0.6	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.9	1.5	1.67	37.00	1.35	3.8	2.5	0.33
5.0	2.7	1.5	0.83	27.00	1.35	2.3	1.5	0.33
5.0	3.5	1.0	<sup>2</sup> /1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.7	1.0	<sup>3</sup> /2.25	25.00	1.35	2.0	1.3	0.33
5.0	2.6	0.8	1.11	26.00	1.35	2.2	1.4	0.33

Municipal Electrical  
RATES FOR  
as at

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
†King Kirkland Townsite.....	45	c40	3.5	<sup>1</sup> 1.6 0.75	<sup>2</sup> 1.67 <sup>3</sup> 2.25
Kingston.....	38	60	1.8	0.9	0.83
Kingsville.....	48	60	3.2	1.2	0.83
Kirkfield.....	58	50	5.0	1.2	1.66
†Kirkland Lake (including Swastika)..<	42	Special			
Kitchener.....	42	60	2.6	1.3	0.83
Lakefield.....	38	55	2.8	1.0	0.83
Lambeth.....	43	60	3.5	1.3	0.83
Lanark.....	36	60	2.5	1.1	0.83
Lancaster.....	43	60	2.3	1.0	0.83
Larder Lake Twp.....	46	60	3.5	1.1	1.11
La Salle.....	52	60	4.6	1.6	1.67
Latchford.....		60	5.0	2.0	1.67
Leamington.....	48	60	2.7	1.1	1.11
Lindsay.....	44	60	2.6	1.3	0.83
Listowel.....	49	60	3.0	1.3	0.83
London.....	44	60	2.8	1.2	0.83
London Twp.....	42	60	3.2	1.3	1.11
Long Branch.....	40	60	2.4	1.2	0.83
L'Orignal.....	41	60	6.0	2.0	1.50
Lucan.....	48	60	3.4	1.4	1.11
Lucknow.....	57	55	2.7	1.0	1.39
Lynden.....	45	60	3.2	1.1	0.83
Madoc.....	47	60	2.9	1.2	0.83
Magnetawan.....	52	60	6.0	2.0	2.50
Markdale.....	45	60	2.5	1.0	1.11
Markham.....	45	60	2.8	1.1	0.83
Marmora.....	48	60	3.6	1.0	0.83
Martintown.....	40	60	4.0	1.2	1.67
†Massey.....	52	Special			
†Matachewan Twp.....	45	50	4.5	1.0	1.11
†Matheson.....	45	c40	3.5	<sup>1</sup> 1.6 0.75	<sup>2</sup> 1.67 <sup>3</sup> 2.25
†Mattawa.....	45	60	5.3	1.6	1.67
Maxville.....	58	55	3.1	1.0	0.83
McGarry.....	46	60	3.5	1.1	1.11
Meaford.....	46	60	2.6	1.0	0.83
Merlin.....	44	60	3.1	1.0	0.83
Merrickville.....	40	60	3.0	1.3	1.11
Merrittton.....	43	60	3.2	1.3	0.83
Midland.....	40	60	2.5	1.1	1.11

† Local system.  
See explanatory notes on pages 250 and 251

## Utilities and Local Systems

## ELECTRICAL SERVICE

December 31, 1954

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hours per month per kwh	Second 50 hours per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	3.5	1.0	<sup>2</sup> 1.67 <sup>3</sup> 2.25	30.00	1.35	2.8	1.8	0.33
5.0	1.5	0.9	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.4	1.0	0.83	27.00	1.35	2.3	1.5	0.33
5.0	4.5	1.0	1.66	39.00	1.35	4.1	2.7	0.33
Special				Special				
5.0	2.3	1.0	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.4	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.1	1.1	0.83	39.00	1.35	4.1	2.7	0.33
5.0	2.0	1.0	0.83	26.00	1.35	2.2	1.4	0.33
5.0	1.8	1.0	0.83	25.00	1.35	2.0	1.3	0.33
5.0	3.0	1.0	1.11	32.00	1.35	3.1	2.0	0.33
5.0	4.1	1.5	1.67	36.00	1.35	3.7	2.4	0.33
5.0	4.5	2.0	1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.1	1.0	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.2	1.3	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.5	1.3	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.2	0.6	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.7	1.0	1.11	25.00	1.35	2.0	1.3	0.33
5.0	1.9	1.1	0.83	22.00	1.20	1.7	1.2	0.30
5.0	5.5	2.0	1.50	27.00	1.35	2.3	1.5	0.33
5.0	3.0	1.1	1.11	24.00	1.20	2.1	1.4	0.30
5.0	2.2	0.8	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.7	1.0	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.5	1.1	0.83	30.00	1.35	2.8	1.8	0.33
5.0	5.5	2.0	2.50	35.00	1.35	3.5	2.3	0.33
5.0	2.0	1.0	1.11	23.00	1.20	1.9	1.3	0.30
5.0	2.4	0.9	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.2	0.9	0.83	27.00	1.35	2.3	1.5	0.33
5.0	3.5	1.2	1.67	30.00	1.35	2.8	1.8	0.33
Special				Special				
5.0	3.5	1.0	<sup>2</sup> 1.67 <sup>3</sup> 2.25	30.00	1.35	2.8	1.8	0.33
5.0	3.5	1.0	<sup>2</sup> 1.67 <sup>3</sup> 2.25	30.00	1.35	2.8	1.8	0.33
5.0	4.8	1.6	1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.8	1.0	0.83	35.00	1.35	3.5	2.3	0.33
5.0	3.0	1.0	1.11	32.00	1.35	3.1	2.0	0.33
5.0	2.2	0.8	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.6	0.7	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.5	1.2	1.11	20.00	1.20	1.4	0.9	0.30
5.0	2.7	1.1	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.0	1.1	1.11	19.50	1.00	1.5	1.1	0.30

Municipal Electrical  
RATES FOR  
as at

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Mildmay.....	52	50	2.8	1.0	1.39
Millbrook.....	48	60	4.6	1.0	0.83
Milton.....	45	60	3.1	1.6	0.83
Milverton.....	48	60	3.4	1.3	1.11
Mimico.....	42	60	2.7	1.2	0.83
Mitchell.....	46	60	3.6	1.4	0.83
Moorefield.....	44	60	2.5	0.9	1.11
Morrisburg.....	43	60	3.0	1.0	0.83
Mount Brydges.....	48	60	2.9	1.3	0.83
Mount Forest.....	52	60	2.8	1.0	0.83
Napanee.....	39	60	2.8	1.1	0.83
Neustadt.....	52	60	3.0	1.0	1.39
Newboro.....	40	60	4.0	1.4	1.39
Newburgh.....	40	60	4.3	1.2	1.39
Newbury.....	50	60	4.0	1.0	1.11
Newcastle.....	43	60	3.0	0.9	1.11
New Hamburg.....	43	60	3.2	1.3	0.83
†New Liskeard.....	42	Special			
Newmarket.....	40		2.5	1.0	0.83
New Toronto.....	42	60	2.6	1.2	0.83
Niagara.....	41	60	3.0	1.4	0.83
Niagara Falls.....	37	60	2.1	1.0	1.00
Nipigon Twp.....	32	60	2.8	1.0	1.11
North Bay.....	42	60	2.3	1.0	0.83
North York Twp.....	43	60	2.7	1.3	0.83
Norwich.....	46	60	3.4	1.2	1.11
Norwood.....	45	50	3.9	1.1	1.11
Oakville.....	44	60	3.0	1.4	0.83
Oil Springs.....	52	60	3.0	1.0	1.11
Omeme.....	44	60	3.3	1.0	0.83
Orangeville.....	52	55	2.8	1.0	1.11
Orillia.....	40	60	2.3	0.9	0.83
Orono.....	45	60	3.5	1.2	1.11
Oshawa.....	42	60	3.0	1.1	0.83
Ottawa (including Eastview and Rockcliffe Park).....	32	b { 60 60	* { 2.0 1.0	*0.5	0.83
Otterville.....	46	60	3.0	1.0	0.83
Owen Sound.....	42	60	2.4	1.1	1.11
Paisley.....	57	50	4.0	1.0	1.39
Palmerston.....	44	60	2.6	1.0	1.11
Paris.....	42	60	2.8	1.3	0.83

† Local system.  
See explanatory notes on pages 250 and 351

## Utilities and Local Systems

## ELECTRICAL SERVICE

December 31, 1954

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hours per month per kwh	Second 50 hours per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.4	0.8	1.39	30.00	1.35	2.8	1.8	0.33
5.0	4.2	1.0	0.83	35.00	1.35	3.5	2.3	0.33
5.0	2.6	1.6	0.83	28.00	1.35	2.5	1.6	0.33
5.0	3.0	1.4	1.11	25.00	1.35	2.0	1.3	0.33
5.0	2.2	1.1	0.83	23.00	1.20	1.9	1.3	0.30
5.0	3.1	1.0	0.83	29.00	1.35	2.6	1.7	0.33
5.0	2.0	0.9	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.7	0.8	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.5	1.0	0.83	28.00	1.35	2.5	1.6	0.33
5.0	2.3	0.8	0.83	26.00	1.35	2.2	1.4	0.33
5.0	2.5	1.0	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.5	0.8	1.39	30.00	1.35	2.8	1.8	0.33
5.0	3.5	1.2	1.39	26.00	1.35	2.2	1.4	0.33
5.0	3.8	1.2	1.39	28.00	1.35	2.5	1.6	0.33
5.0	3.5	0.9	1.11	35.00	1.35	3.5	2.3	0.33
5.0	2.5	0.8	1.11	25.00	1.35	2.0	1.3	0.33
5.0	2.7	1.2	0.83	26.00	1.35	2.2	1.4	0.33
Special					Special			
5.0	2.2	1.0	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.0	1.0	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.5	1.2	0.83	24.00	1.20	2.1	1.4	0.30
5.0	1.9	0.9	1.00	17.50	1.00	1.3	0.8	0.40
5.0	2.4	0.8	1.11	21.00	1.20	1.6	1.0	0.30
5.0	1.8	0.9	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.2	1.3	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.0	1.0	1.11	28.00	1.35	2.5	1.6	0.33
5.0	3.4	0.9	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.5	1.3	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.6	1.0	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.8	0.8	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.0	0.8	1.11	18.00	1.00	1.4	0.9	0.25
5.0	1.8	0.8	0.83	18.00	1.00	1.4	0.9	0.30
5.0	3.0	1.1	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.5	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.1	0.5	h 0.83	18.00	d\$1.00	1.8	1.2	0.15
5.0	2.5	0.8	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.1	1.0	1.11	19.50	1.00	1.5	1.1	0.40
5.0	3.5	0.8	1.39	35.00	1.35	3.5	2.3	0.33
5.0	2.2	0.8	1.11	21.00	1.20	1.6	1.0	0.30
5.0	2.3	0.8	0.83	19.50	1.00	1.5	1.1	0.30

Municipal Electrical  
RATES FOR  
as at

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Parkhill.....	50	60	3.4	1.2	1.11
Parry Sound.....	42	60	2.8	1.2	0.83
Penetanguishene.....	45	60	2.5	1.1	1.11
Perth.....	37	55	2.8	1.0	0.83
Peterborough.....	40	60	2.6	1.3	0.83
Petrolia.....	50	60	3.6	1.2	0.83
†Pickle Lake Landing Townsite.....	45	60	4.4	1.7	1.67
Picton.....	43	60	2.2	0.9	0.83
Plattsville.....	52	60	3.3	1.2	0.83
Point Edward.....	46	60	3.5	1.2	0.83
Port Arthur.....	34	60	2.0	0.8	0.83
†Port Carling.....	50	b45	4.7	1.5	1.66
Port Colborne.....	41	60	2.8	1.2	0.83
Port Credit.....	42	60	2.7	1.3	0.83
Port Dalhousie.....	43	60	3.2	1.5	0.83
Port Dover.....	45	60	2.4	1.2	0.83
Port Elgin.....	50	60	3.5	1.3	1.11
Port Hope.....	45	60	2.6	1.3	0.83
Port McNicoll.....	48	60	3.3	1.0	0.83
Port Perry.....	52	50	4.0	1.2	1.11
Port Rowan.....	50	60	3.2	1.1	1.11
Port Stanley.....	50	60	3.0	1.1	1.11
†Powassan.....	45	c40	3.5	1/1.6 0.75	2/1.67 3/2.25
Prescott.....	40	60	2.9	1.3	0.83
Preston.....	40	60	3.3	1.3	0.83
Priceville.....	52	60	5.0	1.5	1.67
Princeton.....	48	60	3.0	1.0	1.39
Queenston.....	40	60	2.8	1.3	0.83
†Red Lake Townsite.....	45	60	4.4	1.7	1.67
Red Rock.....	32	60	2.6	1.1	1.67
Renfrew.....	35	45	3.5	1.0	0.83
Richmond.....	54	40	4.3	1.2	1.67
Richmond Hill.....	45	60	2.8	1.2	0.83
Ridgetown.....	51	60	2.9	1.1	0.83
Ripley.....	68	55	4.8	1.0	1.67
Riverside.....	48	60	3.6	1.4	1.11
Rockland.....	33	60	4.0	1.2	1.11
Rockwood.....	48	60	3.3	1.3	0.83
Rodney.....	52	60	2.5	1.0	0.83
Rosseau.....	43	60	3.5	1.6	1.67

† Local system.  
See explanatory notes on pages 250 and 251

## Utilities and Local Systems

## ELECTRICAL SERVICE

December 31, 1954

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hours per month per kwh	Second 50 hours per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.9	1.2	1.11	35.00	1.35	3.5	2.3	0.33
5.0	2.3	1.2	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.1	1.0	1.11	21.00	1.20	1.6	1.0	0.30
5.0	2.0	0.6	0.83	17.00	1.00	1.3	0.8	0.25
5.0	2.1	1.2	0.83	20.00	1.20	1.4	0.9	0.30
5.0	3.1	1.0	0.83	35.00	1.35	3.5	2.3	0.33
5.0	3.9	1.5	1.67	37.00	1.35	3.8	2.5	0.33
5.0	1.7	0.8	0.83	20.00	1.20	1.4	0.9	0.30
5.0	3.0	1.0	0.83	29.00	1.35	2.6	1.7	0.33
5.0	3.0	1.0	0.83	28.00	1.35	2.5	1.6	0.33
5.0	1.9	0.4	0.83	18.00	1.00	1.4	0.9	0.25
5.0	4.5	0.8	1.66	32.00	1.35	3.1	2.0	0.33
5.0	2.5	1.1	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.2	1.2	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.7	1.2	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.0	1.0	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.8	1.0	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.1	1.2	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.8	0.8	0.83	26.00	1.35	2.2	1.4	0.33
5.0	3.2	1.0	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.7	0.9	1.11	33.00	1.35	3.2	2.1	0.33
5.0	2.5	0.9	1.11	27.00	1.35	2.3	1.5	0.33
5.0	3.5	1.0	<sup>2</sup> 1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.6	1.3	<sup>3</sup> 2.25	22.00	1.20	1.7	1.2	0.30
5.0	2.8	0.9	0.83	23.00	1.20	1.9	1.3	0.30
5.0	4.5	1.5	1.67	33.00	1.35	3.2	2.1	0.33
5.0	2.7	0.8	1.39	24.00	1.20	2.1	1.4	0.30
5.0	2.4	1.2	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.9	1.5	1.67	37.00	1.35	3.8	2.5	0.33
5.0	2.1	1.0	1.67	21.00	1.20	1.6	1.0	0.30
5.0	2.0	0.5	0.83	21.00	1.20	1.6	1.0	0.30
5.0	4.0	1.0	1.67	35.00	1.35	3.5	2.3	0.33
5.0	2.3	1.2	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.4	0.9	0.83	26.00	1.35	2.2	1.4	0.33
5.0	4.3	0.8	1.67	30.00	1.35	2.8	1.8	0.33
5.0	2.9	1.0	1.11	30.00	1.35	2.8	1.8	0.33
5.0	3.5	1.0	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.8	1.2	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.2	0.8	0.83	26.00	1.35	2.2	1.4	0.33
5.0	3.0	1.6	1.67	29.00	1.35	2.6	1.7	0.33

Municipal Electrical  
RATES FOR  
as at

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Russell.....	40	60	3.3	1.2	1.11
St. Catharines.....	42	60	2.7	1.5	1.00
St. Clair Beach.....	50	60	4.1	1.5	1.11
St. George.....	44	60	2.5	0.9	0.83
St. Jacobs.....	42	60	3.0	1.1	0.83
St. Mary's.....	43	60	3.5	1.3	0.83
St. Thomas.....	43	60	3.2	1.2	0.83
Sarnia.....	44	60	3.0	1.2	0.83
Scarborough Twp.....	43	60	2.7	1.4	0.83
Schreiber Twp.....	35	60	3.5	1.2	1.67
Seaforth.....	47	60	3.1	1.2	0.83
Shelburne.....	45	60	3.0	1.2	1.11
Simcoe.....	42	60	2.5	1.0	0.83
Sioux Lookout.....	51	60	4.0	1.5	2.00
Smith's Falls.....	38	60	2.6	1.0	0.83
Smithville.....	45	60	3.2	1.2	0.83
Southampton.....	48	50	3.2	1.1	1.11
†South Porcupine Townsite.....	42		Special		
Springfield.....	49	60	3.4	0.9	0.83
Stamford Twp.....	36	60	3.1	1.3	1.00
Stayner.....	41	60	3.0	1.2	1.11
Stirling.....	40	60	2.7	1.3	0.83
Stoney Creek.....	41	60	3.7	1.4	0.83
Stouffville.....	45	60	2.6	1.1	0.83
Stratford.....	43	60	2.9	1.2	0.83
Strathroy.....	42	60	3.1	0.9	0.83
Streetsville.....	42	60	2.9	1.3	0.83
Sturgeon Falls.....	46	60	3.8	1.5	1.11
Sudbury.....	43	60	2.6	1.2	1.11
Sunderland.....	45	60	3.5	1.0	1.11
Sundridge.....	52	60	5.8	2.0	2.50
Sutton.....	48	60	2.7	1.0	1.11
Swansea.....	44	60	2.4	1.3	0.83
Tara.....	48	60	2.8	1.2	1.11
Tavistock.....	44	60	2.7	1.4	0.83
Tecumseh.....	49	60	3.6	1.3	1.11
Teeswater.....	60	60	3.0	1.0	1.11
Terrace Bay.....	35	60	2.7	1.0	1.67
Thamesford.....	49	60	3.6	1.5	1.11
Thamesville.....	52	60	3.5	1.3	0.83

† Local system.  
See explanatory notes on pages 250 and 251

## Utilities and Local Systems

## ELECTRICAL SERVICE

December 31, 1954

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hours per month per kwh	Second 50 hours per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.8	1.2	1.11	25.00	1.35	2.0	1.3	0.33
g 5.0	2.3	1.1	k 1.00	23.00	1.20	1.9	1.3	0.30
5.0	3.6	1.4	1.11	36.00	1.35	3.7	2.4	0.33
5.0	2.0	0.6	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.5	1.0	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.0	1.2	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.3	0.6	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.5	0.8	0.83	27.00	1.35	2.3	1.5	0.33
5.0	2.2	1.1	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.0	1.2	1.67	29.00	1.35	2.6	1.7	0.33
5.0	2.6	0.9	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.5	1.2	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.0	0.8	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.5	2.0	j 1.00	30.00	1.35	2.8	1.8	0.33
5.0	2.0	0.7	0.83	19.00	1.00	1.5	1.1	0.25
5.0	2.8	1.1	0.83	28.00	1.35	2.5	1.6	0.33
5.0	2.9	1.1	1.11	26.00	1.35	2.2	1.4	0.33
Special				Special				
5.0	2.9	0.8	0.83	30.00	1.35	2.8	1.8	0.33
5.0	2.8	1.2	1.00	21.00	1.20	1.6	1.0	0.30
5.0	2.5	1.2	1.11	23.00	1.20	1.9	1.3	0.30
5.0	2.2	1.3	0.83	22.00	1.20	1.7	1.2	0.30
5.0	3.3	1.1	0.83	27.00	1.35	2.3	1.5	0.33
5.0	2.1	1.1	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.4	0.7	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.5	0.6	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.4	1.3	0.83	24.00	1.20	2.1	1.4	0.30
5.0	3.3	1.5	1.11	30.00	1.35	2.8	1.8	0.33
5.0	2.4	1.2	1.11	25.00	1.35	2.0	1.3	0.33
5.0	3.0	0.8	1.11	33.00	1.35	3.2	2.1	0.33
5.0	5.3	2.0	2.50	35.00	1.35	3.5	2.3	0.33
5.0	2.4	0.7	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.0	1.3	0.83	22.00	1.20	1.7	1.2	0.30
5.0	2.4	1.0	1.11	31.00	1.35	2.9	1.9	0.33
5.0	2.3	1.4	0.83	26.00	1.35	2.2	1.4	0.33
5.0	3.1	1.0	1.11	29.00	1.35	2.6	1.7	0.33
5.0	2.6	0.8	1.11	34.00	1.35	3.4	2.2	0.33
5.0	2.2	1.0	1.67	29.00	1.35	2.6	1.7	0.33
5.0	3.1	1.4	1.11	31.00	1.35	2.9	1.9	0.33
5.0	3.0	1.0	0.83	30.00	1.35	2.8	1.8	0.33

Municipal Electrical  
RATES FOR  
as at

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Thedford.....	56	60	3.6	1.0	0.83
Thornbury.....	48	60	3.5	1.3	1.11
Thorndale.....	58	60	4.1	1.2	0.83
†Thornloe.....			Special		
Thornton.....	62	60	3.8	1.0	1.39
Thorold.....	40	60	2.7	1.4	1.11
Tilbury.....	51	60	2.5	1.0	0.83
Tillsonburg.....	43	60	3.2	1.2	1.11
†Timmins (including Schumacher).....	42		Special		
Toronto (including Leaside).....	**	60	2.0	1.4	0.83
Toronto Twp.....	42	60	3.0	1.6	1.11
Tottenham.....	44	50	3.5	1.0	1.39
Trafalgar Twp.....	43	60	3.8	2.0	1.11
Trenton.....	33	60	1.8	0.8	0.83
Tweed.....	42	60	2.5	0.9	1.11
Uxbridge.....	55	60	3.1	1.0	1.11
Vankleek Hill.....	41	60	4.5	1.5	1.11
Victoria Harbour.....	49	60	3.2	1.3	1.39
Walkerton.....	44	50	3.2	1.1	1.11
Wallaceburg.....	48	60	3.1	1.2	1.11
Wardsville.....	52	60	3.6	0.9	1.11
Warkworth.....	52	50	3.5	1.2	1.11
Wasaga Beach.....	37	60	4.3	2.2	1.67
Waterdown.....	42	60	2.6	1.2	0.83
Waterford.....	44	60	2.5	1.1	0.83
Waterloo.....	42	60	2.6	1.1	0.83
Watford.....	46	60	3.1	1.1	0.83
Waubashene.....	45	60	3.2	1.2	1.39
†Webbwood.....	52		Special		
Welland.....	42	60	2.4	1.1	0.83
Wellesley.....	48	60	3.0	1.2	0.83
Wellington.....	48	60	2.5	0.9	0.83
West Ferris Twp.....	46	60	3.8	1.5	1.11
West Lorne.....	52	60	3.3	1.2	1.11
Weston.....	43	60	2.5	1.2	0.83
Westport.....	40	60	3.0	1.0	1.11
Wheatley.....	53	60	3.3	1.2	1.11
Whitby.....	41	60	2.7	1.2	0.83
Warton.....	47	60	2.5	0.9	1.11
Williamsburg.....	40	60	2.0	0.8	0.83

† Local system.  
See explanatory notes on pages 250 and 251

## Utilities and Local Systems

## ELECTRICAL SERVICE

December 31, 1954

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hours per month per kwh	Second 50 hours per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	3.2	0.7	0.83	28.00	1.35	2.5	1.6	0.33
5.0	3.1	1.3	1.11	23.00	1.20	1.9	1.3	0.30
5.0	3.7	1.0	0.83	36.00	1.35	3.7	2.4	0.33
5.0	Special 3.3	1.0	1.39	30.00	Special 1.35	2.8	1.8	0.33
5.0	2.2	1.2	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.0	1.0	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.7	1.0	1.11	24.00	1.20	2.1	1.4	0.30
Special e8.5	2.1	0.7	0.83	24.00	Special f{1.10 1.50	{2.1 3.0	{1.4 1.2	{0.38 0.60
5.0	2.5	1.6	1.11	27.00	1.35	2.3	1.5	0.33
5.0	3.0	1.0	1.39	30.00	1.35	2.8	1.8	0.33
5.0	3.3	1.9	1.11	30.00	1.35	2.8	1.8	0.33
5.0	1.6	0.6	0.83	19.00	1.00	1.5	1.1	0.25
5.0	2.1	0.9	1.11	23.00	1.20	1.9	1.3	0.33
5.0	2.7	0.8	1.11	26.00	1.35	2.2	1.4	0.33
5.0	4.0	1.5	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.7	1.3	1.39	30.00	1.35	2.8	1.8	0.33
5.0	2.4	0.9	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.6	0.9	1.11	24.00	1.20	2.1	1.4	0.30
5.0	3.2	0.8	1.11	30.00	1.35	2.8	1.8	0.33
5.0	3.0	1.0	1.11	32.00	1.35	3.1	2.0	0.33
5.0	3.7	1.7	1.67	28.00	1.35	2.5	1.6	0.33
5.0	2.2	1.2	0.83	23.00	1.20	1.9	1.3	0.30
5.0	2.0	0.9	0.83	20.00	1.20	1.4	0.9	0.30
5.0	2.2	1.0	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.8	0.9	0.83	28.00	1.35	2.5	1.6	0.33
5.0	2.6	1.2	1.39	33.00	1.35	3.2	2.1	0.33
Special 5.0	2.1	1.0	0.83	23.00	Special 1.20	1.9	1.3	0.30
5.0	2.7	1.0	0.83	25.00	1.35	2.0	1.3	0.33
5.0	2.3	0.7	0.83	25.00	1.35	2.0	1.3	0.33
5.0	3.3	1.2	1.11	27.00	1.35	2.3	1.5	0.33
5.0	2.8	1.2	1.11	31.00	1.35	2.9	1.9	0.33
5.0	2.0	1.0	0.83	21.00	1.20	1.6	1.0	0.30
5.0	2.5	1.0	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.9	1.2	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.3	1.0	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.0	0.9	1.11	26.00	1.35	2.2	1.4	0.33
5.0	2.0	0.8	0.83	32.00	1.35	3.1	2.0	0.33

Municipal Electrical  
RATES FOR  
as at

Rates are subject to prompt

Municipality	Flat-rate water-heaters per 100 watts per month	Domestic service			
		First rate		All additional per kwh	Minimum gross monthly bill
		Number of kwh per month	Per kwh per month		
	cents		cents	cents	\$
Winchester.....	42	60	2.5	1.2	0.83
Windermere.....	66	60	4.0	1.5	2.22
Windsor.....	47	60	3.2	1.3	0.83
Wingham.....	45	60	2.6	1.0	1.11
Woodbridge.....	44	60	2.8	1.2	0.83
Woodstock.....	43	60	3.3	1.2	1.11
Woodville.....	58	50	3.8	1.0	1.11
Wyoming.....	50	60	3.4	1.0	0.83
York Twp.....	42	60	2.3	1.1	0.83
Zurich.....	51	60	3.7	1.2	0.83

NOTES

Service Charges

- All but item (b) apply to both 2-wire and 3-wire service.
- a 60¢ per month.
  - b 33¢ per month per service when the permanently installed appliance load is under 2,000 watts and 66¢ per month when 2,000 watts or more.
  - c 56¢ per month.
  - d \$1.00 per hp.
  - e Minimum 50¢.
  - f Direct-current service \$1.50 per kw per month for first 7½ kw plus \$1.05 per kw for all additional demand.

Types of Service

- 2-wire service next 80 kwh; 3-wire service next 180 kwh.
- 2-wire service.
- 3-wire service.

## Utilities and Local Systems

## ELECTRICAL SERVICE

December 31, 1954

payment discount of 10%

Commercial light service				Power service				
Service charge per 100 watts min 1,000 watts	100 hours' monthly use of billing demand per kwh	All additional per kwh	Minimum gross monthly bill	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	First 50 hours per month per kwh	Second 50 hours per month per kwh	All additional per kwh
cents	cents	cents	\$	\$	\$	cents	cents	cents
5.0	2.0	1.1	0.83	25.00	1.35	2.0	1.3	0.33
5.0	4.0	1.5	2.22	39.00	1.35	4.1	2.7	0.33
5.0	2.8	1.3	0.83	27.00	1.35	2.3	1.5	0.33
5.0	2.1	1.0	1.11	25.00	1.35	2.0	1.3	0.33
5.0	2.3	1.2	0.83	24.00	1.20	2.1	1.4	0.30
5.0	2.5	1.0	1.11	22.00	1.20	1.7	1.2	0.30
5.0	2.8	0.8	1.11	28.00	1.35	2.5	1.6	0.33
5.0	2.9	0.7	0.83	33.00	1.35	3.2	2.1	0.33
5.0	2.1	1.0	0.83	23.00	1.20	1.9	1.3	0.30
5.0	3.4	0.9	0.83	32.00	1.35	3.1	2.0	0.33

## NOTES

## Established Minimum Bills

- g Minimum 500 watts.  
h 83¢, or \$1.00 per kw.  
j Per 100 watts—minimum \$2.00, maximum \$5.00.  
k \$1.00, or \$1.00 per kw.

## Special Rates or Discounts

- § Local discount 15 and 10 per cent.  
\* First 60 kwh of monthly consumption at 2.0¢, second 60 kwh and all kwh in excess of 1,000 at 1.0¢.  
\*\* Flat-rate water-heater service—Toronto:  
System-owned—First 400 watts \$2.90 per month.  
Each 100 watts additional 40¢ per month.  
1,000-watt and 1,200-watt heaters 30¢ additional per month.  
1,500-watt heaters 40¢ additional per month.  
2,000-watt and 2,500-watt heaters 50¢ additional per month.  
Heaters 3,000 watts and over 55¢ additional per month.  
Customer-owned—First 400 watts \$1.98 per month.  
Each 100 watts additional 40¢ per month.

**STATEMENT "D"**

Statement "D" gives useful and interesting information about the services rendered, first by the municipal electrical utilities operating under cost or fixed-rate contracts with the Commission, and second by the Commission in serving ultimate customers through the operation of local distribution systems. It gives for each of the three main classes of service the revenue, number of customers, average consumption per customer, and certain average unit costs. The revenue and estimated consumption resulting from the use of flat-rate water-heaters are included in the total figures given. The population given in each instance is the assessed population of the municipality, or municipalities, served by the particular utility.

The average cost per kilowatt-hour to the customer is equivalent to the average revenue per kilowatt-hour received by the utility. Since the revenue includes any surplus or deficit resulting from the year's operation under rates currently in effect, the average cost per kilowatt-hour should not be taken as the utility's cost of supplying one kilowatt-hour. If rates are increased to offset a recurring deficit, the average cost per kilowatt-hour may rise. An increase in consumption accompanying an increase in rates would, however, tend to counter such a rise. A comparison of the average costs per kilowatt-hour over a number of years will show the trend in any one municipality. The trend in all municipalities, whether served under cost or fixed-rate contracts or as local systems, can be seen by referring to the table on page 103 and the graph on page 107.

The figures in Statement "D" should not be used to compare the cost of service in one municipality with the cost in another. For such a comparison, the rates given in Statement "C" for the municipalities compared should be applied to a given number of kilowatt-hours. The ratio between the first and second rates for domestic and commercial light service, however, is not uniform for all municipalities; of any two municipalities being compared, therefore, one may have the lower average cost for a given number of kilowatt-hours and the other the lower average cost for a different number of kilowatt-hours.

A feature of domestic service in the Province is the high annual consumption per customer which reflects the generous use of a variety of electrical appliances, including flat-rate water-heaters. The low follow-up or special rates which encourage such generous use are in turn reflected in lower average costs per kilowatt-hour.

Power service rates, by incorporating charges both for power and for energy, require the customer to pay first for his share of the kilowatts of demand (power) that the municipality is obliged to supply, and second for the kilowatt-hour use made of this demand (energy). The relationship between demand and energy is, therefore, an important factor in establishing average cost per kilowatt-hour. The use of the demand for only a few hours

will result in a relatively small total bill but a high average cost per kilowatt-hour; the use of the same demand for several hours will increase the total bill but substantially reduce the average cost per kilowatt-hour.

For power service, as for domestic and commercial light service, the statistics in Statement "D" should be used only as a measure of the general economy of service to customers in the municipalities listed. For comparisons of costs between municipalities, the rates in Statement "C" should be used in conjunction with typical demands and energy consumption of customers taking similar service under comparable conditions.

For convenience, the municipalities in Statement "D" have been listed alphabetically in three divisions: (i) municipalities having a population of 10,000 or more, (ii) municipalities with a population of over 2,000 but fewer than 10,000, and (iii) municipalities whose population is under 2,000.

Municipal Electrical  
CUSTOMERS, REVENUE,  
for the Year Ended  
MUNICIPALITIES

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	cents
Barrie.....	16,002	4,850	216,361.76	24,265,376	4,145	488	0.892
Belleville.....	20,658	6,773	272,099.02	34,319,069	5,696	502	0.793
Brampton.....	11,165	3,416	184,916.68	16,112,480	2,974	451	1.148
Brantford.....	49,856	12,184	452,084.82	41,588,080	10,198	340	1.087
Brockville.....	13,561	4,354	176,648.76	16,601,414	3,748	369	1.060
Chatham.....	22,721	7,238	275,082.12	14,812,436	6,024	205	1.857
East York Twp.....	68,739	19,804	1,116,206.54	99,281,119	18,711	442	1.124
Etobicoke Twp.....	83,169	28,054	1,584,567.87	151,991,610	26,115	485	1.043
Forest Hill.....	18,373	6,157	442,236.98	42,100,290	5,570	630	1.050
Fort William.....	37,630	11,431	547,725.91	75,940,580	9,873	641	0.721
Galt.....	22,185	7,342	331,127.48	26,969,057	6,456	348	1.228
Guelph.....	30,950	9,771	457,863.05	39,984,254	8,638	386	1.145
Hamilton.....	222,902	67,479	2,781,381.14	239,419,246	58,873	339	1.162
Kingston.....	43,145	13,488	623,338.20	66,760,358	11,861	469	0.934
†Kirkland Lake (including Swastika)	§16,650	5,689	220,709.14	14,090,311	4,761	247	1.566
Kitchener.....	55,645	17,236	933,517.58	80,014,401	15,323	435	1.167
Lindsay.....	10,107	3,469	170,457.99	13,004,541	2,931	370	1.311
London.....	98,666	29,680	1,344,071.91	111,497,055	26,718	348	1.205
London Twp.....	23,363	910	51,416.29	3,763,640	879	357	1.366
Mimico.....	12,351	4,029	206,342.40	18,790,794	3,668	427	1.098
Niagara Falls.....	24,667	7,328	283,232.03	28,511,856	6,108	389	0.994
North Bay.....	20,160	5,910	263,803.37	26,338,044	4,925	446	1.002
North York Twp.....	130,766	41,485	2,871,697.42	239,449,478	38,359	520	1.199
Orillia.....	12,796	4,626	188,627.52	18,746,474	3,921	398	1.006
Oshawa.....	46,051	14,025	739,331.96	69,836,370	12,668	459	1.059
Ottawa (including Eastview and Rockcliffe Park).....	208,911	66,978	2,927,288.46	372,016,608	57,751	537	0.787
Owen Sound.....	17,346	5,586	232,462.30	19,825,120	4,787	345	1.173
Peterborough.....	40,489	13,073	625,004.15	63,438,351	11,476	461	0.985
Port Arthur.....	35,305	11,274	488,603.15	55,899,540	9,811	475	0.874
Port Colborne.....	13,481	4,035	121,668.95	9,384,150	3,500	223	1.296
Riverside.....	12,003	3,820	197,864.89	12,693,661	3,636	291	1.559
St. Catharines.....	39,881	13,099	576,998.91	48,063,561	11,345	353	1.200
St. Thomas.....	19,117	6,666	294,552.73	24,002,323	5,814	344	1.227
Sarnia.....	39,550	12,381	574,400.80	42,201,985	11,080	317	1.361
Scarborough Twp.....	95,706	34,042	1,659,740.03	121,025,831	32,255	313	1.371
Stamford Twp.....	23,277	6,619	374,552.57	36,559,358	6,156	495	1.024
Stratford.....	19,557	6,422	342,546.20	29,332,998	5,566	439	1.168
Sudbury.....	46,631	14,203	777,515.96	63,481,973	12,548	422	1.218
†Timmins (including Schumacher)...	§30,700	9,072	359,658.80	22,967,620	7,784	246	1.566
Toronto (including Leaside).....	682,415	193,970	9,756,234.52	804,626,240	158,900	422	1.213
Toronto Twp.....	40,016	10,568	750,370.98	56,587,222	9,705	486	1.326
Trenton.....	10,330	3,301	127,261.99	15,469,042	2,848	453	0.822
Waterloo.....	14,050	4,614	231,196.27	21,786,298	4,153	437	1.061
Welland.....	16,287	4,782	152,262.35	12,349,401	4,058	254	1.233
Windsor.....	126,034	35,764	1,630,660.41	107,824,501	31,019	290	1.512
Woodstock.....	16,891	5,789	276,406.36	23,244,208	4,982	389	1.189
York Twp.....	105,995	32,627	1,581,576.43	154,910,993	30,035	430	1.021

† Local system                      § Estimated

**Utilities and Local Systems  
AND CONSUMPTION  
December 31, 1954  
Population 10,000 or more**

COMMERCIAL LIGHT SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Ave- rage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers monthly loads billed	Monthly consumption per customer	Ave- rage cost per kwh
\$	kwh	No.	kwh	cents	\$	kwh	No.	kw	kwh	cents
119,613.99	8,848,327	615	1,199	1.352	86,501.51	9,117,414	90	3,569	8,442	0.949
155,941.71	13,881,764	927	1,248	1.123	112,864.95	12,951,967	150	4,899	7,196	0.871
67,955.21	4,175,644	355	980	1.627	65,722.36	5,795,546	87	2,281	5,551	1.134
220,526.31	17,744,289	1,692	874	1.243	634,544.47	62,962,683	294	23,643	17,847	1.008
71,938.65	5,292,856	525	840	1.360	179,124.30	19,508,959	81	6,030	20,071	0.920
298,185.13	14,023,260	1,043	1,120	2.126	325,869.69	21,721,176	171	8,623	10,585	1.500
183,552.95	13,060,808	944	1,153	1.405	232,351.95	22,203,400	149	7,832	12,418	1.046
345,003.49	23,490,061	1,614	1,213	1.469	529,089.25	55,950,759	325	17,909	14,346	0.946
117,183.38	7,595,595	526	1,203	1.543	15,133.31	1,159,136	61	563	1,584	1.306
257,740.11	25,503,447	1,351	1,573	1.010	449,271.18	49,200,382	207	19,046	19,807	0.913
146,779.42	8,340,664	703	989	1.760	372,096.24	32,376,001	183	12,872	14,743	1.149
176,863.10	11,735,361	941	1,039	1.507	374,125.89	41,577,169	192	13,248	18,046	0.900
1,362,628.57	105,509,568	7,169	1,226	1.291	5,566,997.93	756,869,397	1,437	179,801	43,892	0.736
437,465.08	38,025,707	1,394	2,273	1.150	279,530.27	26,994,965	233	10,073	9,655	1.035
129,766.98	8,140,045	806	842	1.594	53,593.03	4,272,109	122	1,806	2,918	1.254
404,794.92	24,968,699	1,521	1,368	1.621	1,055,968.23	96,514,036	392	30,739	20,517	1.094
91,219.87	4,776,437	458	869	1.910	93,385.84	8,524,657	80	3,112	8,880	1.095
655,807.24	46,075,099	2,535	1,515	1.423	1,064,162.06	115,994,654	427	35,705	22,638	0.917
6,776.27	332,502	27	1,026	2.038	5,367.11	521,474	4	141	10,864	1.029
63,833.03	4,055,012	312	1,083	1.574	45,450.30	3,444,264	49	1,464	5,858	1.320
213,226.05	15,820,163	1,047	1,259	1.348	239,601.90	26,940,663	173	8,779	12,977	0.889
151,615.83	11,641,588	869	1,116	1.302	98,057.19	9,623,704	116	3,241	6,914	1.019
682,048.93	35,154,141	2,728	1,074	1.940	618,599.78	59,629,459	398	20,209	12,485	1.037
119,653.24	9,663,922	581	1,386	1.238	203,260.11	20,200,445	124	8,778	13,576	1.006
259,259.65	15,662,579	1,157	1,128	1.655	929,079.75	102,141,679	200	28,461	42,559	0.910
2,494,677.93	202,369,777	8,242	2,046	1.233	764,126.50	78,018,768	985	31,044	6,601	0.979
130,892.64	8,117,036	672	1,007	1.613	138,014.90	12,056,148	127	5,363	7,911	1.145
269,238.67	17,095,921	1,368	1,041	1.575	449,142.21	48,895,976	229	19,263	17,793	0.919
250,254.74	21,312,225	1,288	1,379	1.174	517,407.28	54,288,586	175	22,424	25,852	0.953
74,012.56	4,227,133	474	743	1.751	52,004.98	4,328,383	61	1,877	5,913	1.201
29,377.52	1,549,432	163	792	1.896	31,252.87	1,438,740	21	858	5,709	2.172
330,978.10	20,079,050	1,470	1,138	1.648	857,604.69	88,390,756	284	26,555	25,936	0.970
131,679.58	9,362,853	735	1,062	1.406	186,019.61	19,122,592	117	6,227	13,620	0.973
248,033.61	15,130,587	1,170	1,077	1.639	862,229.74	105,765,250	131	19,032	67,281	0.815
394,283.91	24,398,954	1,457	1,396	1.616	938,519.40	90,539,954	330	27,484	22,864	1.037
90,698.92	4,324,710	413	873	2.097	66,743.65	5,697,931	50	2,414	9,497	1.171
126,751.64	7,822,545	701	930	1.620	150,069.11	14,373,849	155	5,257	7,728	1.044
387,561.48	22,409,630	1,474	1,267	1.729	116,940.63	9,004,928	181	3,538	4,146	1.299
180,904.54	10,827,897	1,149	785	1.671	45,646.06	2,206,034	139	1,441	1,323	2.069
7,276,390.54	475,304,040	28,507	1,389	1.531	11,790,261.27	1,120,390,696	6,563	323,137	14,226	1.052
150,350.80	7,404,662	736	838	2.030	483,284.29	51,048,302	127	11,731	33,496	0.947
51,175.95	4,477,412	382	977	1.142	167,765.27	22,796,917	71	5,964	26,757	0.735
83,939.51	5,176,412	369	1,169	1.622	196,088.34	14,923,114	92	5,882	13,517	1.314
121,225.52	7,614,095	609	1,042	1.592	319,599.98	30,130,570	115	9,686	21,833	1.061
1,068,199.12	56,486,247	4,073	1,155	1.891	1,889,241.97	132,648,441	672	52,400	16,449	1.424
148,163.07	8,100,761	669	1,009	1.829	276,352.38	25,720,320	138	9,213	15,532	1.074
437,190.73	27,489,624	2,222	1,031	1.590	509,697.88	40,430,843	370	15,978	9,106	1.261

**Municipal Electrical**  
**CUSTOMERS, REVENUE,**  
**for the Year Ended**  
**MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh
	No.	No.	\$	kwh	No.	kwh	cents
Acton.....	2,903	997	48,944.15	3,819,596	844	377	1.281
†Ajax.....	5,511	1,528	84,555.79	6,158,944	1,363	377	1.373
Alexandria.....	2,253	762	24,001.54	1,795,264	608	246	1.340
Alliston.....	2,486	833	33,903.79	2,812,434	670	350	1.205
Almonte.....	2,595	949	32,805.34	3,393,394	795	356	0.970
Amherstburg.....	4,014	1,279	72,678.25	5,513,885	1,059	434	1.318
Ancaster Twp.....	8,534	833	58,178.23	4,560,310	772	492	1.276
Arnprior.....	4,829	1,477	57,281.74	4,850,589	1,259	321	1.180
†Atikokan.....	4,575	1,429	104,766.72	6,168,177	1,226	419	1.699
Aurora.....	3,636	1,362	68,579.94	6,295,924	1,166	450	1.089
Aylmer.....	3,996	1,372	50,196.85	4,612,491	1,108	347	1.088
Beamsville.....	2,042	720	37,664.23	3,626,009	613	493	1.039
Blenheim.....	2,675	995	22,972.31	1,511,823	800	157	1.520
†*Blind River.....	2,554	699	2,319.67	114,213	579	...	2.031
Bowmanville.....	6,101	2,135	94,869.49	8,214,055	1,874	365	1.154
Brantford Twp.....	5,722	4,200	259,317.89	19,735,593	4,017	409	1.314
Brighton.....	2,034	841	34,271.86	2,549,911	679	313	1.344
Burlington.....	8,064	2,762	153,154.54	13,176,550	2,428	452	1.162
†Burlington Beach.....	3,360	916	41,057.95	3,270,159	829	329	1.256
Caledonia.....	2,035	721	19,843.76	1,438,981	584	205	1.379
Capreol.....	2,155	714	42,271.79	2,746,821	636	360	1.539
Carleton Place.....	4,659	1,603	55,932.71	5,145,686	1,354	317	1.090
Clinton.....	2,825	1,073	47,163.90	4,164,121	869	399	1.133
†Cobalt.....	2,407	743	31,276.90	1,647,085	601	228	1.899
Cobourg.....	7,753	2,733	138,332.46	11,898,636	2,365	419	1.162
Cochrane.....	3,563	1,137	59,373.48	4,839,062	917	440	1.227
Collingwood.....	7,646	2,626	95,794.28	7,259,947	2,233	271	1.319
Delhi.....	2,820	1,164	36,168.91	2,871,375	898	266	1.260
Dresden.....	2,133	828	19,837.73	1,149,328	646	148	1.726
Dryden.....	3,104	1,255	73,352.37	5,918,006	1,069	461	1.240
Dundas.....	8,295	2,663	100,932.59	9,766,625	2,345	347	1.033
Dunnville.....	4,803	1,734	43,430.52	2,696,867	1,420	158	1.610
Elmira.....	2,704	987	42,092.27	3,755,281	808	387	1.121
Essex.....	3,155	1,083	32,444.94	2,086,032	877	198	1.555
Exeter.....	2,646	1,041	53,757.72	3,931,990	849	386	1.367
Fergus.....	3,504	1,192	62,064.73	4,522,770	1,028	367	1.372
Georgetown.....	4,110	1,646	85,709.69	6,686,577	1,436	388	1.282
†Geraldton.....	3,114	979	42,848.01	2,125,380	808	219	2.016
Goderich.....	5,988	2,154	104,847.31	7,156,290	1,803	331	1.465
Gravenhurst.....	2,869	1,212	43,001.47	4,080,385	1,009	337	1.054

† Local system

\* Initial supply—November 1954

## Utilities and Local Systems

## AND CONSUMPTION

December 31, 1954

Population 2,000 to 9,999

COMMERCIAL LIGHT SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers monthly loads billed	Monthly consumption per customer	Av- erage cost per kwh
\$	kwh	No.	kwh	cents	\$	kwh	No.	kw	kwh	cents
21,577.33	1,104,268	126	730	1.954	75,507.25	5,803,335	27	2,060	17,912	1.301
39,981.73	1,748,705	123	1,185	2.286	87,786.49	6,148,505	42	2,440	12,199	1.428
19,285.34	1,016,251	138	614	1.900	18,249.60	602,129	16	371	3,136	3.030
16,345.31	882,904	137	537	1.851	14,382.59	733,167	26	491	2,350	1.962
12,444.55	729,819	127	479	1.710	23,780.12	2,514,132	27	864	7,760	0.950
33,615.90	1,979,049	197	837	1.699	30,573.72	1,868,224	23	885	6,769	1.637
11,456.91	450,264	52	722	2.544	2,863.21	134,310	9	86	1,244	2.132
35,306.06	1,954,428	184	885	1.810	43,119.84	3,577,852	34	1,540	8,769	1.210
48,562.77	2,411,920	189	1,063	2.013	6,855.40	539,942	14	44	3,214	1.270
34,045.62	2,392,570	162	1,231	1.423	43,286.29	3,494,230	34	1,466	8,564	1.239
31,106.63	2,277,740	231	822	1.366	46,495.55	4,156,091	33	1,558	10,495	1.119
12,620.49	725,520	95	636	1.739	5,802.25	391,946	12	207	2,722	1.480
25,934.39	1,466,124	177	690	1.769	18,087.50	938,637	18	545	4,346	1.927
2,656.29	122,412	116	...	2.170	1,003.93	105,700	4	105	2,202	0.950
31,707.05	1,834,678	229	667	1.728	84,548.25	8,578,139	32	2,821	22,338	0.985
45,811.93	2,332,177	161	1,207	1.964	17,073.26	1,123,531	22	542	4,256	1.520
15,710.35	719,950	149	403	2.182	6,353.89	412,507	13	252	2,644	1.540
68,462.80	3,433,014	301	950	1.994	35,746.01	2,136,660	33	895	5,396	1.673
16,084.76	821,993	82	835	1.957	2,134.13	30,259	5	54	504	7.053
13,716.39	843,610	121	581	1.626	10,254.59	581,955	16	287	3,031	1.762
9,958.28	552,970	76	606	1.801	11,530.13	1,037,200	2	247	43,217	1.112
24,853.78	1,388,961	224	517	1.790	37,953.39	3,742,746	25	1,411	12,476	1.010
22,759.00	1,313,365	176	622	1.733	18,669.90	1,266,580	28	554	3,770	1.474
23,526.81	836,583	130	536	2.812	6,668.62	636,502	12	186	4,420	1.048
55,766.07	3,160,624	306	861	1.764	107,440.35	9,541,020	62	3,241	12,823	1.126
39,014.22	2,341,570	192	1,016	1.666	15,653.50	1,032,992	28	478	3,074	1.515
47,410.30	2,885,333	327	735	1.643	74,924.52	6,238,053	66	2,843	7,876	1.201
32,782.20	1,676,736	230	608	1.955	17,877.66	922,964	36	595	2,136	1.937
21,335.49	1,141,818	158	602	1.869	19,118.76	1,143,128	24	606	3,969	1.672
46,028.03	2,000,266	168	992	2.301	3,095.81	354,077	18	162	1,639	0.874
43,601.56	2,839,245	259	914	1.536	65,708.04	5,161,147	59	2,828	7,290	1.273
41,776.56	2,363,109	277	711	1.768	65,079.68	5,463,961	37	1,918	12,306	1.191
25,880.89	1,471,089	150	817	1.759	60,581.95	5,332,633	29	1,725	15,324	1.136
28,607.63	1,659,088	175	790	1.724	18,973.76	912,337	31	691	2,453	2.079
23,473.78	1,236,468	165	624	1.895	16,594.26	812,680	27	589	2,508	2.042
24,196.70	1,252,768	144	725	1.931	40,577.47	2,764,940	20	1,290	11,521	1.468
28,724.23	1,511,550	181	696	1.900	77,239.21	7,787,465	29	2,252	22,378	0.992
38,862.78	1,605,580	157	852	2.420	3,977.06	354,363	14	104	2,109	1.122
48,068.14	2,171,868	298	607	2.213	72,917.05	3,984,388	53	2,077	6,265	1.830
28,849.99	2,258,068	176	1,069	1.278	33,331.86	3,028,900	27	1,186	9,348	1.100

**Municipal Electrical**  
**CUSTOMERS, REVENUE,**  
**for the Year Ended**  
**MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh
	No.	No.	\$	kwh	No.	kwh	cents
Grimsby .....	3,280	1,248	45,710.03	3,896,293	1,042	312	1.173
†Haileybury .....	2,217	776	40,013.92	2,851,840	627	379	1.403
Hanover .....	4,005	1,354	55,002.97	4,931,059	1,147	358	1.115
*Hawkesbury .....	7,865	1,827	18,514.20	901,427	1,606	176	2.452
†Hawkesbury .....			64,846.92	2,499,396			
Hearst .....	2,060	688	37,053.60	1,039,491	544	159	3.567
Hespeler .....	3,834	1,232	51,294.76	3,805,360	1,080	294	1.348
Huntsville .....	3,271	1,137	46,736.42	4,257,328	921	385	1.098
Ingersoll .....	6,728	2,240	92,206.87	6,041,820	1,938	260	1.526
Kapuskasing .....	5,321	1,629	80,089.80	4,896,600	1,363	299	1.636
Kincardine .....	2,662	1,085	35,695.89	3,026,074	911	277	1.180
Kingsville .....	2,766	1,130	41,026.13	2,733,787	911	250	1.501
La Salle .....	2,372	663	46,720.79	2,566,092	610	351	1.821
Leamington .....	7,846	2,742	87,381.14	6,272,766	2,289	228	1.393
Listowel .....	3,414	1,344	58,038.26	4,209,050	1,108	317	1.379
Long Branch .....	9,282	2,989	140,583.58	13,385,928	2,665	419	1.050
Markham .....	2,193	822	36,781.68	3,278,022	706	387	1.122
†Mattawa .....	3,009	677	33,527.77	1,707,990	569	250	1.963
McGarry .....	2,311	399	22,569.07	1,711,173	343	416	1.319
Meaford .....	3,392	1,354	44,398.18	3,751,689	1,132	276	1.183
Merritton .....	5,192	1,499	73,410.07	6,063,607	1,374	368	1.211
Midland .....	7,617	2,499	106,530.81	8,867,850	2,157	343	1.201
Milton .....	3,215	1,171	56,916.14	4,189,241	1,000	349	1.359
Mitchell .....	2,071	831	40,590.16	2,903,270	663	365	1.398
Mount Forest .....	2,327	869	28,677.88	2,263,782	681	277	1.267
Napanee .....	3,868	1,513	63,399.06	5,790,082	1,228	393	1.095
†New Liskeard .....	3,998	1,388	69,935.93	4,943,415	1,130	365	1.415
Newmarket .....	6,067	2,098	94,127.16	8,508,960	1,793	395	1.106
New Toronto .....	9,817	3,054	148,295.85	14,374,648	2,615	458	1.032
Niagara .....	2,505	1,164	64,363.39	5,636,285	1,029	456	1.142
Nipigon .....	2,208	596	22,333.29	1,874,150	486	321	1.191
Oakville .....	9,102	3,252	135,758.11	10,813,918	2,727	330	1.255
Orangeville .....	3,564	1,319	49,536.30	4,267,235	1,057	336	1.161
Paris .....	5,404	1,732	70,249.25	5,284,213	1,481	297	1.329
Parry Sound .....	5,343	1,739	62,956.04	5,503,127	1,451	316	1.144
Penetanguishene .....	4,594	1,289	41,082.56	3,609,046	1,109	271	1.138
Perth .....	5,061	1,798	63,347.91	5,501,470	1,514	303	1.151
Petrolia .....	3,371	1,244	36,850.28	2,154,280	1,014	177	1.711
Pictou .....	4,586	1,692	66,547.47	6,662,395	1,380	402	0.999
Point Edward .....	2,149	672	28,452.67	1,783,300	594	250	1.596
Port Credit .....	5,129	1,906	102,297.44	9,609,798	1,680	477	1.065

\* 3 months

† Local system

## Utilities and Local Systems

## AND CONSUMPTION

December 31, 1954

Population 2,000 to 9,999—Continued

COMMERCIAL LIGHT SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	cents	\$	kwh	No.	kw	kwh	cents
28,003.71	1,794,445	186	804	1.561	18,569.31	1,787,406	20	622	7,448	1.039
23,410.74	947,875	127	622	2.470	8,844.82	604,334	22	285	2,289	1.464
20,977.77	1,241,240	175	591	1.690	42,278.53	3,318,869	32	1,564	8,643	1.274
{ 14,744.18	{ 602,265	202	921	2.873	{ 2,085.65	{ 162,624	19	{ 267	3,962	1.536
49,401.03	1,630,181				11,790.76	740,780		464		
43,424.83	979,156	133	614	4.435	5,425.54	324,193	11	95	2,456	1.674
16,590.28	850,345	120	591	1.951	139,547.92	15,664,048	32	4,334	40,791	0.891
40,540.51	2,477,222	190	1,087	1.637	26,720.62	2,838,201	26	883	9,097	0.941
47,389.83	2,476,190	254	812	1.914	101,180.68	7,572,770	48	3,118	13,147	1.336
72,062.68	3,139,411	238	1,099	2.296	7,151.01	287,303	28	305	855	2.489
19,875.52	979,276	152	537	2.030	24,418.35	1,662,618	22	682	6,298	1.469
28,618.10	1,501,079	190	658	1.907	19,832.79	1,128,991	29	673	3,244	1.757
11,150.25	436,307	47	774	2.556	2,409.07	54,460	6	90	756	4.424
57,613.72	3,495,458	394	739	1.648	79,168.76	7,499,188	59	2,163	10,592	1.056
36,219.58	1,725,899	202	712	2.099	34,814.85	2,000,441	34	1,094	4,903	1.740
46,797.25	3,245,197	293	923	1.442	49,405.36	4,032,974	31	1,695	10,841	1.225
13,364.25	694,713	102	568	1.924	5,709.38	233,400	14	232	1,389	2.446
33,438.24	1,160,643	102	948	2.881	12,127.15	638,630	6	327	8,870	1.899
12,260.54	673,609	54	1,040	1.820	1,494.65	153,550	2	27	6,398	0.973
23,691.51	1,510,484	190	662	1.568	25,681.97	1,579,266	32	833	4,113	1.626
19,377.28	920,014	101	759	2.106	477,133.42	60,625,921	24	12,809	210,506	0.787
49,482.37	3,042,065	286	886	1.627	112,568.56	9,941,497	56	4,800	14,794	1.132
24,620.46	1,139,111	146	650	2.161	76,018.02	5,187,199	25	1,936	17,291	1.465
18,981.37	873,740	139	524	2.172	22,418.57	1,311,186	29	627	3,768	1.710
21,246.27	1,168,400	166	587	1.818	13,963.53	751,538	22	436	2,847	1.858
43,909.43	2,535,485	256	825	1.732	26,793.43	2,083,962	29	1,037	5,988	1.286
42,179.39	2,225,000	225	824	1.896	33,734.62	1,735,482	33	918	4,383	1.944
41,523.85	2,345,170	265	737	1.771	45,132.76	3,345,998	40	1,418	6,971	1.349
90,569.86	6,077,692	361	1,403	1.490	447,499.11	55,181,411	78	16,976	58,954	0.811
18,654.75	1,091,852	121	752	1.708	5,143.22	309,899	14	177	1,845	1.660
19,353.41	1,419,010	105	1,126	1.364	1,884.77	170,540	5	66	2,842	1.105
95,892.91	5,019,188	433	966	1.911	111,263.17	10,306,265	92	3,772	9,335	1.080
30,602.28	1,913,646	224	712	1.599	8,835.51	562,270	38	456	1,233	1.571
24,148.91	1,551,349	216	599	1.557	39,488.98	3,225,070	35	1,585	7,679	1.224
38,448.97	1,997,100	261	638	1.925	13,312.13	983,419	27	492	3,035	1.354
22,196.73	1,457,437	159	764	1.523	30,027.06	2,940,466	21	1,048	11,669	1.021
35,143.71	2,271,948	245	773	1.547	28,284.55	2,582,671	39	1,199	5,519	1.095
25,563.75	1,175,835	173	566	2.174	32,854.25	1,696,546	57	745	2,480	1.937
40,505.07	2,972,532	273	907	1.363	20,808.53	1,372,964	39	867	2,934	1.516
9,823.79	402,718	62	541	2.439	110,278.09	7,240,800	16	2,928	37,713	1.523
41,058.12	2,459,024	196	1,046	1.670	43,588.13	4,363,801	30	1,005	12,122	0.999

**Municipal Electrical**  
**CUSTOMERS, REVENUE,**  
**for the Year Ended**  
**MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	cents
Port Dalhousie . . . . .	2,811	985	69,574.35	5,784,543	890	542	1.203
Port Dover . . . . .	2,491	1,358	35,103.72	2,397,074	1,145	174	1.464
Port Hope . . . . .	6,694	2,460	116,327.52	10,349,358	2,141	403	1.124
Port Perry . . . . .	2,058	726	33,633.80	2,268,892	599	316	1.482
Prescott . . . . .	4,201	1,448	66,134.36	5,017,114	1,212	345	1.318
Preston . . . . .	8,819	2,583	133,103.41	9,557,380	2,241	355	1.393
†Red Lake Townsite . . . . .	\$2,050	748	32,361.11	1,681,241	588	238	1.925
Renfrew . . . . .	8,097	2,447	94,612.06	8,091,781	2,120	318	1.169
Richmond Hill . . . . .	3,510	1,356	72,844.00	6,244,763	1,189	438	1.166
Ridgetown . . . . .	2,420	977	22,716.75	1,413,948	772	153	1.607
Rockland . . . . .	2,551	601	**17,514.12	884,421	547	202	1.980
St. Mary's . . . . .	4,176	1,510	78,064.78	5,967,395	1,266	393	1.308
Seaforth . . . . .	2,146	796	32,352.81	2,427,520	644	314	1.333
Simcoe . . . . .	7,403	2,845	77,804.35	6,330,996	2,254	234	1.229
Sioux Lookout . . . . .	2,453	848	46,908.55	3,027,012	716	352	1.550
Smith's Falls . . . . .	8,503	3,091	121,167.39	12,337,270	2,667	385	0.982
†South Porcupine Townsite . . . . .	\$5,100	1,733	59,199.47	3,623,472	1,458	207	1.634
Stoney Creek . . . . .	3,158	1,130	63,183.18	4,859,531	990	409	1.300
Stouffville . . . . .	2,089	751	31,089.42	2,755,195	626	367	1.128
Strathroy . . . . .	4,030	1,520	61,443.80	5,386,279	1,247	360	1.141
Sturgeon Falls . . . . .	5,518	1,380	53,773.43	2,907,872	1,168	207	1.849
Swansea . . . . .	8,718	2,771	167,988.34	15,969,509	2,573	517	1.052
Tecumseh . . . . .	3,893	1,172	40,291.89	2,539,045	1,065	199	1.587
Thorold . . . . .	7,400	2,195	88,124.38	7,650,615	1,919	332	1.152
Tilbury . . . . .	3,136	1,073	25,453.61	1,889,020	876	180	1.347
Tillsonburg . . . . .	5,751	2,165	77,360.67	5,233,138	1,756	248	1.478
Trafalgar Twp. . . . .	9,601	2,078	175,167.17	10,995,992	1,943	472	1.593
Uxbridge . . . . .	2,007	767	29,703.22	2,334,637	618	315	1.272
Walkerton . . . . .	3,472	1,218	46,458.06	3,615,811	1,001	301	1.285
Wallaceburg . . . . .	7,802	2,683	81,000.42	4,862,126	2,257	180	1.666
*West Ferris Twp. . . . .	3,160	1,144	50,630.97	2,855,334	1,067	297	1.770
Weston . . . . .	8,569	2,853	158,767.99	15,107,999	2,480	508	1.051
Whitby . . . . .	7,100	2,085	104,508.33	9,194,217	1,798	426	1.136
Wingham . . . . .	2,717	985	41,146.80	3,626,381	790	383	1.135
Woodbridge . . . . .	2,013	640	32,298.88	2,736,179	528	432	1.180

\* 9 months      \*\* 8 months

† Local system

§ Estimated

## Utilities and Local Systems

## AND CONSUMPTION

December 31, 1954

Population 2,000 to 9,999—Concluded

COMMERCIAL LIGHT SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers monthly loads billed	Monthly consumption per customer	Av- erage cost per kwh
\$	kwh	No.	kwh	cents	\$	kwh	No.	kw	kwh	cents
13,826.99	786,836	84	781	1.757	12,523.98	759,229	11	543	5,752	1.649
18,666.26	1,085,843	188	481	1.719	17,283.79	1,411,099	25	556	4,704	1.225
46,492.12	2,779,778	270	858	1.672	102,505.88	9,882,941	49	3,076	16,808	1.037
13,986.41	629,513	116	452	2.222	5,633.09	382,680	11	158	2,899	1.472
30,298.59	1,565,555	202	646	1.935	33,315.61	2,559,608	34	1,179	6,274	1.302
45,668.04	2,562,923	266	803	1.782	176,137.80	12,256,051	76	5,704	13,439	1.437
34,034.85	1,645,747	154	891	2.068	5,343.31	228,498	6	212	3,808	2.338
40,640.60	2,670,112	260	856	1.522	87,315.27	7,340,343	67	3,189	9,130	1.190
26,046.00	1,370,256	139	821	1.901	9,749.40	544,764	28	398	1,621	1.790
22,716.37	1,131,565	175	539	2.008	13,045.43	542,493	30	445	1,507	2.405
5,979.83	241,999	51	593	2.471	964.58	54,995	3	52	2,037	1.754
27,131.05	1,195,830	197	506	2.269	45,692.07	3,315,827	47	1,542	5,879	1.378
21,086.47	997,075	131	634	2.115	18,756.63	1,276,486	21	679	5,065	1.469
74,192.80	4,972,747	513	808	1.492	77,548.39	6,949,507	78	2,554	7,425	1.116
26,975.40	977,993	115	709	2.758	14,178.52	1,362,433	17	299	6,679	1.041
60,445.77	4,435,947	371	996	1.363	58,065.16	4,873,155	53	2,264	7,662	1.192
29,231.64	1,627,703	235	577	1.796	6,722.42	454,607	40	357	947	1.479
26,041.07	1,268,332	125	846	2.053	11,855.65	632,390	15	334	3,513	1.875
15,710.99	906,412	115	657	1.733	9,472.98	377,410	10	345	3,145	2.510
31,045.73	1,839,159	225	681	1.688	32,499.23	2,177,620	48	1,238	3,781	1.492
41,153.63	1,670,235	196	710	2.464	4,666.63	284,519	16	154	1,482	1.640
42,202.98	2,377,055	165	1,201	1.775	48,500.03	4,075,240	33	1,601	10,291	1.190
14,774.47	805,616	95	707	1.834	12,674.20	967,918	12	348	6,722	1.309
36,703.26	2,118,175	238	742	1.733	231,840.32	33,443,216	38	6,253	73,340	0.693
22,150.40	1,314,020	170	644	1.686	35,579.98	2,274,400	27	1,515	7,020	1.564
66,704.32	3,503,533	356	820	1.904	53,047.13	3,632,505	53	1,607	5,711	1.460
25,745.10	934,962	112	696	2.754	26,466.94	1,587,745	23	645	5,752	1.667
12,782.59	587,610	130	377	2.175	10,212.57	505,210	19	328	2,216	2.021
31,839.00	1,603,849	197	678	1.985	22,689.95	1,815,338	20	712	7,564	1.250
60,705.63	3,135,887	352	742	1.936	263,633.70	26,740,717	74	8,138	30,113	0.986
18,443.31	811,252	72	1,252	2.273	701.92	32,318	5	32	718	2.178
74,803.33	4,773,048	311	1,279	1.567	142,963.31	13,595,847	62	4,546	18,274	1.052
36,094.98	2,167,700	239	756	1.665	42,422.46	3,530,677	48	1,406	6,130	1.201
21,372.76	1,208,798	165	611	1.768	23,943.41	1,484,658	30	727	4,124	1.613
14,998.03	737,482	98	627	2.034	40,128.98	4,655,234	14	1,233	27,710	0.862

**Municipal Electrical**  
**CUSTOMERS, REVENUE,**  
**for the Year Ended**  
**MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	cents
Ailsa Craig.....	526	220	8,062.73	532,445	171	259	1.514
†Alfred.....	780	1	...	...	...	...	...
Alvinston.....	670	322	5,970.61	288,720	254	95	2.067
Apple Hill.....	464	112	2,669.91	116,965	88	111	2.283
Arkona.....	391	185	7,667.08	449,479	144	260	1.706
Arthur.....	1,103	453	14,902.08	966,367	342	235	1.542
Athens.....	904	320	8,804.27	566,274	270	175	1.555
Ayr.....	939	345	14,784.03	1,074,370	281	319	1.376
Baden.....	809	247	12,652.08	865,190	208	347	1.462
†Bala.....	**408	649	21,102.37	784,831	571	115	2.689
Bancroft.....	1,506	473	16,093.88	836,500	380	183	1.924
Barry's Bay.....	1,362	338	9,885.50	330,189	286	96	2.994
Bath.....	438	198	7,231.53	398,920	175	190	1.813
Beachville.....	726	260	12,360.83	853,412	227	313	1.448
†Beardmore.....	1,158	297	12,818.24	642,236	220	243	1.996
Beaverton.....	1,025	499	18,151.84	1,383,170	399	289	1.312
Beeton.....	634	257	9,575.66	562,680	206	228	1.702
Belle River.....	1,617	612	21,558.30	1,029,380	525	163	2.094
Bloomfield.....	681	274	7,325.51	620,830	219	236	1.179
Blyth.....	735	314	9,510.12	686,870	243	236	1.385
Bobcaygeon.....	1,094	616	22,573.58	952,955	510	156	2.369
Bolton.....	1,025	391	16,172.84	1,405,604	314	373	1.151
Bothwell.....	773	295	6,372.84	455,140	223	170	1.400
Bradford.....	1,935	644	25,215.34	1,950,316	495	328	1.293
Braeside.....	481	147	4,331.74	225,136	134	140	1.924
Brechin.....	220	91	2,328.58	146,770	67	183	1.587
Bridgeport.....	1,358	375	17,904.11	1,503,489	338	371	1.191
Brigden.....	454	204	3,896.31	242,150	150	134	1.609
Bronte.....	1,775	598	32,427.97	2,004,369	524	319	1.618
Brussels.....	814	377	12,264.38	949,095	289	274	1.292
Burford.....	933	397	16,543.51	1,351,271	331	340	1.224
Burgessville.....	224	98	3,976.28	291,210	74	328	1.365
Burk's Falls.....	809	310	10,837.63	517,680	236	183	2.093
Cache Bay.....	779	196	7,675.04	208,341	177	98	3.684
Campbellville.....	298	83	4,229.21	295,680	71	347	1.430
Cannington.....	978	410	14,218.92	1,082,038	324	278	1.314
Cardinal.....	1,853	573	23,361.65	1,882,753	509	308	1.241
Casselman.....	1,201	325	12,918.29	474,950	284	139	2.720
Cayuga.....	806	322	8,065.52	477,265	234	170	1.690
Chatsworth.....	400	169	5,908.85	397,910	131	253	1.485

‡ Local system which receives power in bulk and retails it to ultimate customers

† Local system

\*\* Excluding summer population

## Utilities and Local Systems

## AND CONSUMPTION

December 31, 1954

Less than 2,000 population

COMMERCIAL LIGHT SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	cents	\$	kwh	No.	kw	kwh	cents
3,692.20	142,399	45	264	2.593	2,774.82	102,413	4	89	2,134	2.709
...	...	...	...	...	15,325.87	615,400	1	169	51,283	2.490
5,218.73	227,513	61	311	2.294	2,079.69	72,067	7	72	858	2.886
1,164.88	49,583	23	180	2.349	158.83	2,730	1	11	228	5.818
3,997.98	148,970	38	327	2.684	2,684.44	83,959	3	55	2,332	3.197
9,701.54	415,372	98	353	2.336	4,802.79	278,600	13	179	1,786	1.724
3,267.22	197,404	48	343	1.655	1,178.30	45,660	2	43	1,903	2.581
7,061.00	313,211	51	512	2.254	7,499.86	255,114	13	272	1,635	2.940
4,064.23	221,286	35	527	1.837	5,381.50	256,230	4	190	5,338	2.100
4,560.26	168,761	74	190	2.702	1,228.62	34,987	4	103	729	3.512
13,129.39	478,290	87	458	2.745	3,395.93	110,070	6	128	1,529	3.085
5,502.75	187,760	49	319	2.931	766.61	50,480	3	13	1,402	1.519
2,602.52	103,433	22	392	2.516	341.41	7,980	1	12	665	4.278
1,993.83	89,400	30	248	2.230	43,744.90	4,906,640	3	1,479	136,296	0.892
16,849.50	720,530	75	801	2.338	187.27	2,930	2	11	122	6.391
8,221.38	434,460	90	402	1.892	7,284.08	284,494	10	387	2,371	2.560
3,703.92	148,455	43	288	2.495	4,183.29	240,530	8	99	2,506	1.739
13,399.16	564,103	82	573	2.375	3,844.43	198,327	5	93	3,305	1.938
5,256.46	280,052	47	496	1.877	2,537.49	47,222	8	110	492	5.373
5,494.00	265,989	64	346	2.065	9,730.74	535,940	7	216	6,380	1.816
11,782.00	374,765	102	306	3.144	2,025.59	67,675	4	52	1,410	2.993
7,273.38	365,378	62	491	1.991	4,259.68	162,395	15	187	902	2.623
5,727.96	373,630	63	494	1.533	4,720.95	93,680	9	192	867	5.039
20,016.97	896,723	122	613	2.232	19,779.02	1,271,325	27	553	3,924	1.556
785.81	24,395	10	203	3.221	6,562.62	386,621	3	201	10,739	1.697
2,348.84	93,524	23	339	2.511	706.48	29,020	1	26	2,418	2.434
5,440.85	295,406	31	794	1.842	2,603.58	161,790	6	94	2,247	1.609
3,141.72	143,760	48	249	2.185	4,267.41	105,415	6	134	1,464	4.048
8,690.41	836,715	65	1,073	1.039	2,732.95	131,019	9	85	1,213	2.086
5,845.04	355,370	79	375	1.645	5,366.36	265,615	9	150	2,459	2.020
5,541.94	294,601	60	409	1.881	4,038.46	175,026	6	155	2,431	2.307
1,467.11	72,535	21	288	2.022	1,680.30	29,550	3	67	821	5.686
9,663.61	304,400	69	368	3.175	3,279.86	76,385	5	137	1,273	4.294
1,675.65	36,115	16	188	4.640	21,223.10	784,036	3	414	21,779	2.707
813.63	35,600	11	270	2.285	467.71	46,300	1	8	3,858	1.010
6,396.02	282,760	75	314	2.262	5,681.65	220,208	11	200	1,668	2.580
6,860.26	367,355	62	494	1.867	856.25	70,520	2	22	2,938	1.214
5,491.38	155,575	37	350	3.530	5,623.79	287,370	4	136	5,987	1.957
7,898.33	373,130	77	404	2.117	4,461.10	154,019	11	162	1,167	2.896
4,491.07	204,788	37	461	2.193	1,103.51	33,128	1	29	2,761	3.331

**Municipal Electrical**  
**CUSTOMERS, REVENUE,**  
**for the Year Ended**  
**MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	cents
Chesley .....	1,679	698	23,740.36	1,961,240	571	286	1.211
Chesterville .....	1,196	390	11,445.03	1,106,110	307	300	1.035
Chippawa .....	1,823	619	28,594.44	2,409,642	558	360	1.187
Clifford .....	532	208	9,190.06	596,537	163	305	1.541
Cobden .....	845	352	10,285.29	756,870	271	233	1.359
Colborne .....	1,170	482	19,475.52	1,579,633	393	335	1.232
Coldwater .....	633	256	8,884.33	693,605	205	282	1.281
Comber .....	575	235	5,204.40	272,480	173	131	1.910
Cookstown .....	597	216	7,249.76	482,520	178	226	1.502
Cottam .....	590	224	6,547.03	411,360	183	187	1.592
Courtright .....	548	181	4,389.12	253,409	153	138	1.732
Creemore .....	810	340	11,748.62	926,820	283	273	1.268
Dashwood .....	395	172	7,878.92	452,977	137	276	1.739
Delaware .....	352	120	6,781.56	471,262	102	385	1.439
Deseronto .....	1,645	589	23,237.22	1,551,399	508	254	1.497
Dorchester .....	737	274	9,333.68	666,473	229	243	1.401
Drayton .....	520	257	9,638.86	540,566	203	222	1.783
Drumbo .....	325	153	5,758.21	427,180	119	299	1.348
Dublin .....	261	103	3,877.11	286,470	75	318	1.353
Dundalk .....	788	375	9,637.11	724,105	277	218	1.331
Durham .....	1,905	737	24,002.07	1,737,970	588	246	1.381
Dutton .....	826	334	7,489.98	453,770	258	147	1.651
Eganville .....	1,457	511	17,805.48	771,246	412	156	2.309
†Elk Lake Townsite .....	§425	166	4,614.17	271,669	124	183	1.698
Elmvale .....	891	350	12,505.06	924,053	274	281	1.353
Elmwood .....	V.A.	126	2,981.86	195,408	102	160	1.526
Elora .....	1,453	520	23,945.15	1,522,277	438	290	1.573
Embro .....	488	214	5,265.08	719,948	169	355	1.287
†Englehart .....	1,582	571	29,254.64	1,532,712	475	269	1.909
Erieau .....	460	300	10,306.39	679,940	269	210	1.516
Erie Beach .....	58	125	3,601.95	83,220	121	57	4.328
Erin .....	794	332	14,092.27	728,925	272	223	1.933
Finch .....	369	163	5,160.87	386,485	125	258	1.335
Flesherton .....	463	213	5,771.74	464,060	159	243	1.244
Fonthill .....	1,621	584	30,323.43	2,513,514	512	409	1.206
Forest .....	1,849	808	31,682.19	2,671,660	645	345	1.186
Frankford .....	1,410	481	16,832.08	1,166,666	411	237	1.443
Glencoe .....	1,000	424	8,272.74	499,661	320	130	1.655
Grand Bend .....	740	709	13,328.88	606,880	626	194	2.196
Grand Valley .....	644	308	9,877.46	651,660	243	223	1.516

† Local system

§ Estimated

## Utilities and Local Systems

## AND CONSUMPTION

December 31, 1954

Less than 2,000 population—Continued

COMMERCIAL LIGHT SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	cents	\$	kwh	No.	kw	kwh	cents
10,676.18	614,415	101	507	1.737	11,774.32	708,718	26	457	2,272	1.661
7,429.01	434,995	77	471	1.708	16,829.88	1,750,340	6	529	24,310	0.962
7,156.24	382,970	58	550	1.869	1,243.81	125,750	3	44	3,493	0.989
4,522.64	209,166	39	447	2.162	1,837.28	98,990	6	50	1,375	1.856
6,565.15	291,076	73	332	2.255	4,210.66	183,060	8	176	1,907	2.300
9,613.94	415,693	84	412	2.312	2,107.16	114,483	5	66	1,908	1.840
4,456.47	238,323	47	423	1.870	2,781.26	101,170	4	100	2,108	2.749
5,016.55	230,884	55	350	2.172	5,817.45	187,995	7	157	2,238	3.094
3,428.05	114,912	35	274	2.983	1,989.39	146,350	3	74	4,065	1.359
3,161.79	136,061	36	315	2.324	1,967.91	51,469	5	71	858	3.823
2,702.32	114,021	27	352	2.370	660.06	68,360	1	11	5,697	0.966
4,198.00	192,810	53	303	2.177	1,458.75	61,120	4	67	1,273	2.387
3,205.25	103,833	32	270	3.087	1,693.91	34,070	3	69	946	4.971
2,605.80	102,050	18	472	2.553	...	...	...	...	...	...
8,468.10	330,868	65	424	2.559	13,365.53	643,380	16	394	3,351	2.077
2,979.62	125,051	42	248	2.383	2,367.36	100,780	3	80	2,799	2.349
4,184.69	139,248	50	232	3.005	2,162.10	74,479	4	70	1,552	2.903
2,669.01	113,344	31	305	2.355	1,457.27	37,500	3	55	1,042	3.886
2,234.44	132,790	26	426	1.683	2,051.95	114,000	2	66	4,750	1.800
6,900.69	299,525	87	287	2.304	4,698.03	233,556	11	210	1,769	2.012
18,531.46	971,984	129	628	1.907	10,067.31	571,580	20	312	2,382	1.761
5,160.69	272,157	65	348	1.896	5,422.67	401,247	11	166	3,040	1.351
13,101.29	434,692	89	407	3.014	6,221.26	301,716	10	152	2,514	2.062
3,485.78	179,893	38	395	1.938	1,920.45	58,895	4	137	1,227	3.261
7,814.09	399,762	67	497	1.955	5,089.47	214,623	9	163	1,987	2.371
1,762.02	72,084	22	273	2.444	3,462.22	103,250	2	96	4,302	3.353
9,045.08	394,560	77	427	2.292	8,281.60	431,080	5	259	7,185	1.921
2,553.10	129,302	40	269	1.975	3,877.38	176,700	5	93	2,945	2.194
15,717.14	520,124	91	476	3.022	9,695.60	767,566	5	195	12,793	1.263
4,384.60	231,830	27	715	1.891	5,612.46	234,535	4	120	4,886	2.393
249.74	5,460	4	114	4.574	...	...	...	...	...	...
7,253.64	259,395	57	379	2.796	694.38	30,643	3	15	851	2.266
2,870.73	112,714	33	285	2.547	1,675.77	64,470	5	44	1,075	2.599
5,196.53	270,881	52	434	1.918	1,429.88	58,160	2	56	2,423	2.459
7,050.37	364,243	64	474	1.936	3,634.14	140,189	8	119	1,460	2.592
16,891.95	818,290	141	483	2.064	9,875.56	745,314	22	341	2,823	1.325
6,067.79	276,994	64	361	2.191	1,498.93	76,113	6	71	1,057	1.969
12,107.31	610,095	92	553	1.984	3,164.77	121,368	12	162	843	2.608
9,466.95	325,420	83	784	2.909	...	...	...	...	...	...
4,240.23	186,324	55	282	2.276	4,778.18	255,400	10	186	2,128	1.871

**Municipal Electrical**  
**CUSTOMERS, REVENUE,**  
**for the Year Ended**  
**MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh
	No.	No.	\$	kwh	No.	kwh	cents
Granton.....	263	117	4,418.59	257,635	91	236	1.715
Hagersville.....	1,890	701	18,757.87	1,291,750	536	201	1.452
Harriston.....	1,575	610	26,144.03	1,723,144	476	302	1.517
Harrow.....	1,836	642	34,711.91	2,332,435	511	380	1.488
Hastings.....	825	414	11,111.56	678,610	344	164	1.637
Havelock.....	1,257	416	14,769.86	786,280	349	188	1.878
Hensall.....	779	331	12,690.17	1,022,420	250	341	1.241
†Hepworth.....	358	120	3,416.44	160,150	94	142	2.133
Highgate.....	382	157	3,195.55	185,420	122	127	1.723
Holstein.....	191	92	2,531.34	184,680	74	208	1.371
†Hudson Townsite.....	377	169	6,110.20	248,747	138	150	2.456
*†Ignace.....	468	69	...	...	66	...	...
Iroquois.....	1,100	443	18,845.90	1,324,032	366	301	1.423
Jarvis.....	660	245	5,287.03	359,870	188	160	1.469
†Jellicoe Townsite.....	\$130	43	1,193.76	40,961	37	92	2.914
†Kearns Townsite.....	\$485	172	6,924.82	430,604	157	229	1.608
Kemptville.....	1,616	644	24,122.90	2,018,598	531	317	1.195
†King Kirkland Townsite.....	\$330	100	3,473.18	187,680	91	172	1.851
Kirkfield.....	236	100	3,063.22	145,090	79	153	2.111
Lakefield.....	1,900	635	22,661.89	2,046,979	531	321	1.107
Lambeth.....	1,426	458	28,854.37	2,093,688	421	414	1.378
Lanark.....	861	295	6,962.25	488,450	244	167	1.425
Lancaster.....	530	183	4,938.19	386,600	149	216	1.277
Larder Lake Twp.....	1,940	545	22,475.79	1,486,284	478	259	1.512
Latchford.....	583	158	4,671.60	135,415	125	90	3.450
L'Orignal.....	1,033	277	12,198.32	344,910	251	115	3.537
Lucan.....	890	327	16,305.02	1,163,795	259	374	1.401
Lucknow.....	919	474	11,961.58	954,880	353	225	1.253
Lynden.....	527	155	7,650.56	591,515	138	357	1.293
Madoc.....	1,504	546	18,393.50	1,287,420	419	256	1.429
Magnetawan.....	250	86	3,022.13	79,650	63	105	3.794
Markdale.....	890	380	9,912.58	892,416	288	258	1.111
Marmora.....	1,313	434	14,822.41	1,003,250	363	230	1.477
Martintown.....	125	110	3,782.97	201,310	84	200	1.879
†Massey.....	973	267	11,394.69	346,921	210	138	3.285
†Matachewan Twp.....	1,156	307	12,442.91	806,843	265	254	1.542
†Matheson.....	728	265	13,929.28	1,024,710	209	409	1.359
Maxville.....	775	286	8,159.52	617,620	230	224	1.321
Merlin.....	532	237	5,228.70	334,212	172	162	1.565
Merrickville.....	988	353	11,034.39	691,520	295	195	1.596

\* Initial supply December 1954—no revenue or consumption available

† Local system

§ Estimated

## Utilities and Local Systems

## AND CONSUMPTION

December 31, 1954

Less than 2,000 population—Continued

COMMERCIAL LIGHT SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	cents	\$	kwh	No.	kw	kwh	cents
1,543.93	47,321	25	158	3.262	189.36	2,620	1	7	218	7.227
17,618.44	958,613	142	563	1.838	41,363.21	2,815,752	23	1,567	10,202	1.469
15,471.27	671,851	116	483	2.303	21,321.55	1,269,666	18	599	5,878	1.679
21,690.48	938,538	123	636	2.311	9,960.70	255,502	8	336	2,661	3.898
6,580.61	251,605	66	318	2.615	1,266.59	33,500	4	36	698	3.781
7,234.80	298,330	65	382	2.425	2,011.53	80,100	2	52	3,338	2.511
7,223.32	339,250	62	456	2.129	12,605.53	480,210	19	469	2,106	2.625
3,541.76	124,750	26	400	2.839	...	...	...	...	...	...
1,872.96	90,750	28	270	2.064	3,915.73	189,370	7	116	2,254	2.067
801.37	43,184	17	212	1.856	760.35	58,400	1	14	4,867	1.302
5,127.58	184,690	29	531	2.776	2,766.72	99,538	2	126	4,147	2.780
...	...	3	...	...	...	...	...	...	...	...
7,472.24	433,741	67	539	1.723	2,913.53	353,103	10	85	2,943	0.825
4,700.08	271,955	50	453	1.728	4,736.16	405,200	7	138	4,824	1.169
820.31	36,062	6	501	2.275	...	...	...	...	...	...
3,156.54	132,351	14	788	2.385	591.25	18,590	1	15	1,549	3.180
11,545.67	635,264	100	529	1.817	19,502.17	1,387,735	13	613	8,896	1.405
1,505.83	66,540	9	616	2.263	...	...	...	...	...	...
1,507.19	36,900	21	146	4.084	...	...	...	...	...	...
14,940.52	875,710	93	785	1.706	24,235.36	3,083.003	11	705	23,356	0.786
4,488.02	187,176	35	446	2.397	1,106.71	54,320	2	20	2,263	2.037
3,883.06	226,061	50	377	1.718	975.89	41,800	1	28	3,483	2.335
3,226.51	178,730	34	438	1.815	...	...	...	...	...	...
8,337.67	462,901	63	612	1.801	1,572.68	142,840	4	31	2,976	1.101
4,628.74	131,521	31	354	3.519	1,532.95	49,370	2	43	2,057	3.105
5,185.44	140,475	23	508	3.691	1,952.43	70,410	3	63	1,956	2.773
8,153.66	367,160	63	486	2.221	3,260.61	198,745	5	96	3,312	1.641
7,449.12	377,977	108	292	1.971	10,016.11	475,290	13	292	3,047	2.107
1,603.79	64,774	14	386	2.476	2,081.70	58,720	3	88	1,631	3.545
14,351.56	748,080	118	528	1.918	8,758.34	246,355	9	298	2,281	3.555
2,931.78	71,390	22	270	4.107	47.49	640	1	1	53	7.420
7,907.71	469,625	86	455	1.684	2,946.00	166,024	6	115	2,306	1.774
11,105.50	549,000	68	673	2.023	2,341.11	142,740	3	62	3,965	1.641
2,273.73	81,705	26	262	2.783	...	...	...	...	...	...
7,617.08	228,370	54	352	3.335	504.83	12,250	3	15	340	4.121
5,120.11	205,935	41	419	2.486	50.87	1,390	1	2	116	3.660
7,241.06	368,008	48	639	1.968	3,060.54	185,297	8	83	1,930	1.652
5,748.12	248,295	53	390	2.315	2,771.11	67,175	3	71	1,866	4.125
5,081.13	268,067	61	366	1.895	2,276.64	72,596	4	71	1,512	3.136
4,624.50	236,458	49	402	1.956	4,145.03	218,095	9	189	2,019	1.901

**Municipal Electrical**  
**CUSTOMERS, REVENUE,**  
**for the Year Ended**

**MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	cents
Mildmay .....	837	314	9,559.23	804,384	241	278	1.188
Millbrook .....	750	303	11,543.43	778,840	237	274	1.482
Milverton .....	1,080	442	18,305.90	1,213,597	338	299	1.508
Moorefield .....	293	121	3,214.27	262,870	88	249	1.223
Morrisburg .....	1,888	729	23,706.53	1,963,471	549	298	1.207
Mount Brydges .....	728	305	8,515.05	531,486	248	179	1.602
Neustadt .....	457	194	4,791.05	314,250	155	169	1.525
Newboro .....	301	109	3,850.43	150,382	98	128	2.560
Newburgh .....	520	168	7,106.31	391,581	141	231	1.815
Newbury .....	299	122	3,676.63	210,508	103	170	1.747
Newcastle .....	1,002	390	13,914.11	1,172,679	317	308	1.186
New Hamburg .....	1,897	654	30,910.08	2,370,296	515	384	1.304
Norwich .....	1,415	612	28,627.24	2,143,085	498	359	1.335
Norwood .....	1,058	374	14,061.66	1,043,844	304	286	1.347
Oil Springs .....	494	216	4,552.31	288,377	145	166	1.579
Omeme .....	755	280	10,091.52	733,031	240	255	1.377
Orono .....	594	308	13,197.73	855,244	263	271	1.543
Oterville .....	656	270	9,385.40	750,185	208	301	1.251
Paisley .....	737	340	10,406.26	702,629	267	219	1.481
Palmerston .....	1,570	624	23,726.15	2,156,283	501	359	1.100
Parkhill .....	1,031	467	18,179.52	1,269,160	361	293	1.432
†Pickle Lake Landing Townsite .....	§75	32	1,120.82	52,033	18	241	2.154
Plattsville .....	453	177	8,005.56	559,658	147	317	1.430
†Port Carling .....	**463	437	22,552.97	825,944	377	183	2.731
Port Elgin .....	1,691	904	34,705.44	2,283,185	731	260	1.520
Port McNicoll .....	943	459	12,284.53	713,349	428	139	1.722
Port Rowan .....	739	411	6,510.32	343,130	318	90	1.897
Port Stanley .....	1,385	1,146	33,108.79	2,640,235	1,004	219	1.254
†Powassan .....	871	282	11,611.85	777,691	225	288	1.493
Priceville .....	149	62	1,968.49	70,305	52	113	2.800
Princeton .....	382	152	5,994.75	501,207	121	345	1.196
Queenston .....	415	150	8,808.20	861,320	129	556	1.023
Red Rock .....	1,643	302	16,649.11	1,568,170	276	473	1.062
Richmond .....	757	220	10,200.84	698,850	196	297	1.460
Ripley .....	451	212	7,608.83	476,324	155	256	1.597
Rockwood .....	766	276	13,113.75	883,710	231	319	1.484
Rodney .....	984	423	8,859.09	655,504	337	162	1.351
Rosseau .....	218	113	3,050.01	122,960	94	109	2.480
Russell .....	525	200	6,870.65	455,540	162	234	1.508
St. Clair Beach .....	668	256	13,780.80	817,538	238	286	1.686

† Local system

\*\* Excluding summer population

§ Estimated

## Utilities and Local Systems

## AND CONSUMPTION

December 31, 1954

Less than 2,000 population—Continued

COMMERCIAL LIGHT SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Av- erage cost per kwh
\$	kwh	No.	kwh	cents	\$	kwh	No.	kw	kwh	cents
5,796.70	279,085	65	357	2.077	2,762.72	165,186	8	65	1,721	1.672
6,334.41	205,378	64	267	3.084	825.02	65,260	2	15	2,719	1.264
11,472.34	446,614	88	423	2.569	14,430.67	773,323	16	477	4,028	1.866
2,616.83	171,490	31	461	1.526	1,309.53	52,920	2	47	2,205	2.475
14,864.08	863,500	149	483	1.721	9,476.06	685,414	31	349	1,843	1.383
3,090.07	156,020	53	245	1.981	3,244.23	106,558	4	99	2,220	3.045
2,547.36	115,710	36	268	2.202	4,590.60	210,180	3	114	5,838	2.184
1,413.74	47,570	11	360	2.972	...	...	...	...	...	...
3,146.30	114,654	24	398	2.744	1,543.81	63,780	3	44	1,772	2.421
1,031.27	45,546	18	211	2.264	260.34	5,276	1	13	440	4.934
8,798.89	537,394	62	722	1.637	9,472.08	541,905	11	282	4,105	1.747
14,396.36	683,519	119	479	2.106	17,673.50	868,449	20	521	3,619	2.035
13,696.66	625,338	102	511	2.190	4,542.17	197,687	12	154	1,373	2.298
7,695.83	304,069	65	390	2.531	4,280.29	146,250	5	152	2,438	2.927
2,228.74	83,280	37	188	2.676	6,257.74	596,001	34	132	1,461	1.050
3,595.43	138,354	34	339	2.599	2,930.51	177,731	6	73	2,468	1.649
4,166.98	153,428	42	304	2.715	1,344.08	41,914	3	33	1,164	3.206
3,671.81	187,930	53	295	1.954	1,842.19	73,990	9	65	685	2.490
5,332.92	218,040	66	275	2.441	3,620.52	199,520	7	85	2,375	1.815
11,612.54	657,108	101	542	1.767	12,913.97	1,043,461	22	516	3,953	1.238
11,363.75	478,850	93	429	2.373	7,478.99	354,215	13	186	2,271	2.111
711.60	20,529	14	122	3.466	...	...	...	...	...	...
2,328.04	83,722	29	241	2.781	11,558.55	658,320	1	302	54,860	1.756
6,478.94	169,927	54	262	3.813	973.23	73,133	6	47	1,016	1.331
17,307.91	790,803	159	414	2.189	7,262.05	406,642	14	233	2,420	1.786
2,085.35	91,580	29	263	2.277	32,901.81	1,196,510	2	1,034	49,855	2.750
6,381.96	333,307	87	319	1.915	1,489.26	37,182	6	48	516	4.005
12,100.97	785,453	125	524	1.541	13,605.91	416,340	17	598	2,041	3.268
9,444.95	394,215	56	587	2.396	396.97	5,955	1	13	496	6.666
919.82	31,507	10	263	2.919	...	...	...	...	...	...
1,944.55	77,474	27	239	2.510	1,653.98	67,965	4	61	1,416	2.434
5,389.59	326,778	21	1,297	1.649	...	...	...	...	...	...
9,124.54	647,210	24	2,247	1.410	735.53	121,380	2	16	5,058	0.606
2,607.30	105,547	22	400	2.470	2,901.63	139,200	2	102	5,800	2.085
4,284.57	108,140	54	167	3.962	2,239.16	130,350	3	57	3,621	1.718
5,089.67	234,550	43	455	2.170	71.42	1,140	2	3	48	6.265
5,826.75	320,663	76	352	1.817	5,533.31	221,151	10	195	1,843	2.502
2,053.11	81,873	19	359	2.508	...	...	...	...	...	...
3,224.86	143,904	36	333	2.241	355.91	27,440	2	12	1,143	1.297
4,396.70	170,729	15	948	2.575	2,000.98	77,370	3	44	2,149	2.586

Municipal Electrical  
CUSTOMERS, REVENUE,  
for the Year Ended  
MUNICIPALITIES

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh
	No.	No.	\$	kwh	No.	kwh	cents
St. George.....	668	268	6,878.40	597,364	211	236	1.151
St. Jacobs.....	725	225	10,186.53	820,820	179	382	1.241
Schreiber Twp.....	1,915	516	26,762.54	1,911,267	462	345	1.400
Shelburne.....	1,251	530	18,594.37	1,258,140	417	251	1.478
Smithville.....	814	356	10,565.15	719,320	263	228	1.469
Southampton.....	1,757	962	27,600.32	1,954,645	828	197	1.412
Springfield.....	518	172	5,492.99	379,780	140	226	1.446
Stayner.....	1,359	557	20,477.74	1,468,130	442	277	1.395
Stirling.....	1,225	487	20,608.35	1,636,753	380	359	1.259
Streetsville.....	1,822	605	33,853.18	2,349,108	509	385	1.441
Sunderland.....	561	241	8,232.94	580,210	193	251	1.419
Sundridge.....	697	257	9,505.37	301,700	202	124	3.151
Sutton.....	1,145	801	23,113.88	1,665,966	655	212	1.387
Tara.....	490	240	7,741.78	520,110	182	238	1.488
Tavistock.....	1,124	477	20,840.90	1,647,880	360	381	1.265
Teeswater.....	884	352	10,628.86	792,689	274	241	1.341
Terrace Bay.....	1,690	386	33,372.99	3,233,220	347	776	1.032
Thamesford.....	596	254	13,913.83	885,776	199	371	1.571
Thamesville.....	985	427	11,682.92	607,380	315	161	1.923
Thedford.....	660	285	8,635.27	570,785	217	219	1.513
Thornbury.....	1,082	488	17,001.36	994,570	384	216	1.709
Thorndale.....	309	132	6,842.00	423,433	102	346	1.616
†Thornloe.....	194	44	1,715.19	92,646	29	266	1.851
Thornton.....	245	99	3,518.61	185,890	83	187	1.893
Tottenham.....	678	263	9,146.95	782,460	200	326	1.169
Tweed.....	1,607	583	20,573.32	1,518,457	472	268	1.355
Vankleek Hill.....	1,504	482	15,358.50	630,553	410	128	2.436
Victoria Harbour.....	969	415	11,702.76	583,440	377	129	2.006
Wardsville.....	295	125	3,852.86	274,550	99	231	1.403
Warkworth.....	491	225	7,021.01	440,241	173	212	1.595
Wasaga Beach.....	581	960	27,779.53	746,432	715	87	3.722
Waterdown.....	1,578	511	28,012.54	2,238,440	433	431	1.251
Waterford.....	1,841	683	21,731.62	1,633,910	583	234	1.330
Watford.....	1,207	509	19,208.16	1,447,080	390	309	1.327
Waubashene.....	V.A.	377	10,218.45	508,790	339	125	2.009
†Webbwood.....	470	119	5,132.24	156,796	96	136	3.273
Wellesley.....	644	251	9,346.07	670,760	191	293	1.393
Wellington.....	1,029	510	12,840.15	1,084,570	417	217	1.183
West Lorne.....	1,050	409	11,641.08	812,267	312	217	1.433
Westport.....	671	277	7,923.03	570,080	216	220	1.390

† Local system

## Utilities and Local Systems

## AND CONSUMPTION

December 31, 1954

Less than 2,000 population—Continued

COMMERCIAL LIGHT SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers monthly loads billed	Monthly consumption per customer	Av- erage cost per kwh
\$	kwh	No.	kwh	cents	\$	kwh	No.	kw	kwh	cents
4,615.56	302,934	52	485	1.524	4,470.71	295,860	5	149	4,931	1.511
4,560.95	231,130	38	507	1.973	6,567.18	481,585	8	221	5,017	1.364
11,454.47	631,322	51	1,032	1.814	5,718.34	501,020	3	134	13,917	1.141
11,575.61	577,000	100	481	2.001	5,648.27	284,250	13	221	1,822	1.987
7,438.45	346,504	81	356	2.147	12,474.36	605,395	12	402	4,204	2.060
13,560.20	630,484	120	438	2.151	14,085.72	767,460	14	420	4,568	1.835
1,714.06	70,867	30	197	2.419	639.02	40,250	2	20	1,677	1.588
10,334.48	502,480	96	436	2.057	5,025.78	259,472	19	197	1,138	1.937
10,427.25	535,633	92	485	1.947	4,007.84	201,190	15	181	1,118	1.992
8,535.26	455,064	75	506	1.876	30,080.25	2,835,335	21	858	11,251	1.061
4,190.27	176,945	45	328	2.368	3,050.91	107,744	3	87	2,993	2.832
8,221.09	203,100	53	319	4.048	846.06	37,780	2	26	1,574	2.239
16,961.29	909,374	138	549	1.865	4,967.75	277,550	8	139	2,891	1.790
3,670.44	160,560	52	257	2.286	1,320.50	68,390	6	39	950	1.931
10,010.97	476,740	108	368	2.100	15,588.90	1,082,800	9	437	10,026	1.440
5,514.01	250,128	67	311	2.204	7,345.75	291,848	11	235	2,211	2.517
18,238.91	970,069	37	2,185	1.880	6,426.82	813,760	2	122	33,907	0.790
5,237.38	202,607	50	338	2.585	4,019.39	178,340	5	99	2,972	2.254
10,555.04	507,765	97	436	2.079	13,192.60	469,750	15	381	2,610	2.808
6,189.73	279,111	63	369	2.218	3,251.24	224,941	5	86	3,749	1.445
8,855.74	339,210	89	318	2.611	7,334.48	480,506	15	308	2,669	1.526
1,781.41	98,343	27	304	1.811	2,492.48	58,480	3	64	1,624	4.262
1,416.70	58,776	15	327	2.410	...	...	...	...	...	...
755.75	29,852	15	166	2.532	392.89	17,841	1	11	1,487	2.202
4,109.22	156,440	56	233	2.627	2,358.70	137,182	7	69	1,633	1.719
13,593.19	566,163	96	491	2.401	13,576.11	739,771	15	372	4,110	1.835
8,035.98	248,220	65	318	3.237	1,934.50	49,925	7	70	594	3.875
2,653.28	110,420	37	249	2.403	767.49	49,000	1	14	4,083	1.566
2,856.32	165,899	25	553	1.722	40.63	530	1	4	44	7.666
2,820.45	83,622	50	139	3.373	620.61	37,460	2	11	1,561	1.657
30,635.19	912,890	242	314	3.356	829.42	12,601	3	30	350	6.582
7,867.42	368,700	65	473	2.134	3,334.03	167,845	13	129	1,076	1.986
8,768.34	550,490	90	510	1.593	6,036.51	432,270	10	239	3,602	1.396
11,605.33	587,830	108	454	1.974	13,106.29	645,130	11	409	4,887	2.031
2,572.28	111,950	36	259	2.298	335.01	7,740	2	9	323	4.328
3,260.69	102,155	20	426	3.192	1,013.72	44,500	3	23	1,236	2.278
3,964.12	213,379	53	336	1.858	2,237.06	101,130	7	80	1,204	2.212
5,583.45	298,161	78	318	1.872	6,278.92	235,905	15	219	1,311	2.661
10,357.74	496,896	84	493	2.084	23,530.03	1,168,840	13	627	7,493	2.013
6,458.93	330,580	61	452	1.954	...	...	...	...	...	...

Municipal Electrical  
CUSTOMERS, REVENUE,  
for the Year Ended  
MUNICIPALITIES

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	cents
Wheatley . . . . .	1,089	433	12,831.94	837,440	328	213	1.532
Wiar-ton . . . . .	1,927	734	21,076.57	1,827,010	579	263	1.154
Williamsburg . . . . .	279	138	3,169.53	342,740	100	286	0.925
Winchester . . . . .	1,277	501	16,463.90	1,392,640	400	290	1.182
Windermere . . . . .	129	111	4,470.95	192,330	95	169	2.325
Woodville . . . . .	420	174	5,233.08	354,970	137	216	1.474
Wyoming . . . . .	757	295	7,142.50	423,408	241	146	1.687
Zurich . . . . .	607	274	10,312.60	651,118	218	249	1.584

## Utilities and Local Systems

## AND CONSUMPTION

December 31, 1954

Less than 2,000 population—Concluded

COMMERCIAL LIGHT SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	cents	\$	kwh	No.	kw	kwh	cents
13,842.58	691,655	90	640	2.001	11,304.82	404,625	15	370	2,248	2.794
16,443.40	1,034,698	133	648	1.589	14,018.92	818,887	22	432	3,102	1.712
2,599.62	171,400	36	397	1.517	876.82	20,320	2	35	847	4.315
10,527.82	680,960	93	610	1.546	9,346.99	789,040	8	292	8,219	1.185
4,096.72	143,645	16	748	2.852	...	...	...	...	...	...
2,200.21	86,106	35	205	2.555	772.81	43,380	2	30	1,808	1.781
4,441.17	222,964	49	379	1.992	6,273.28	232,810	5	154	3,880	2.695
6,079.23	231,670	54	358	2.624	721.64	23,600	2	21	983	3.058



## APPENDIX I—OPERATIONS

The tables in Appendix I are supplementary to the descriptive information on the year's operations given in Section I, and to information relating to the delivery of power and energy in wholesale quantities given in Section III.

The tables of power demands and resources give for each system and in total the primary peak requirements, and the dependable capacity of resources generated and purchased, at the time of December primary peak requirements.

The dependable peak capacity and output of each of the Commission's generating stations and of the sources of purchased power are given in a separate table on pages 278-9. The dependable peak capacity of a source of generation is defined as the net output of power, subject to periodic change as equipment and water conditions vary, which the source is expected to be able to supply at the time of the system's primary peak demand. For Commission-owned or -operated generating stations, it is presumed that all units are available and that the supply of water is normal. Contractual stipulations govern the capacities of sources of purchased power.

Beginning on page 280 there is a table dealing primarily with the power and energy supplied in wholesale quantities to the municipal electrical utilities and local systems. In addition, it records the date when power was first delivered by the Commission to each municipal system, and the frequency at which power was distributed in December 1954. As a measure of the power supply, the peak load in December is used in this table since loads on municipal systems normally reach their maxima in December. For costing purposes, however, the average of the monthly peak loads is used as shown in the Cost of Power Statement.

Statistics of peak loads and capacities are given, as elsewhere in the Report, in kilowatts rather than in horsepower. In order to convert the kilowatt figures to horsepower, it may be assumed that one horsepower is equivalent to 0.746 kilowatts.

POWER DEMANDS

Southern Ontario System

	1953	1954	Increase or decrease
<b>Demands</b>	kw	kw	kw
Primary load carried.....	2,880,280	3,115,842	235,562
Primary load cut.....	59,700	...	59,700
Primary peak requirements.....	2,939,980	3,115,842	175,862
<b>Resources</b>			
Commission hydro-electric generation.....	1,671,150	2,413,150	742,000
Commission fuel-electric generation.....	652,000	450,000	202,000
Power purchased.....	681,100	681,100	0
Dependable peak capacity.....	3,004,250	3,544,250	540,000

Figures in the above table apply to demands and resources

ANNUAL ENERGY

Sources of Energy

	1953	1954	Increase or decrease
	kwh	kwh	per cent
<b>SOUTHERN ONTARIO SYSTEM</b>			
Generated (net)			
hydro-electric.....	10,740,830,421	13,110,946,926	22.1
fuel-electric.....	1,758,952,000	956,902,200	45.6
Total generated.....	12,499,782,421	14,067,849,126	12.5
Purchased.....	4,609,120,488	4,264,940,416	7.5
Transferred* in or out (net)	26,540,000	19,572,000	26.3
Primary.....	16,443,001,709	17,067,668,942	3.8
Secondary.....	639,361,200	1,245,548,600	94.8
Total.....	17,082,362,909	18,313,217,542	7.2
<b>NORTHERN ONTARIO PROPERTIES</b>			
<b>NORTHEASTERN DIVISION</b>			
Generated (net)			
hydro-electric.....	1,956,982,420	2,117,082,208	8.2
fuel-electric.....	15,050	13,210	12.2
Total generated.....	1,956,997,470	2,117,095,418	8.2
Purchased.....	33,649,135	35,798,096	6.4
Transferred* in or out (net)	26,540,000	19,572,000	26.3
Primary.....	1,936,647,345	2,065,220,554	6.6
Secondary.....	80,539,260	107,244,960	33.2
Total.....	2,017,186,605	2,172,465,514	7.7
<b>NORTHWESTERN DIVISION</b>			
Generated (net)			
hydro-electric.....	1,805,981,050	1,892,722,420	4.8
Purchased.....	6,914,800	8,051,400	16.4
Primary.....	1,571,667,810	1,655,679,900	5.3
Secondary.....	241,228,040	245,093,920	1.6
Total.....	1,812,895,850	1,900,773,820	4.8
<b>ALL SYSTEMS</b>			
Generated (net)			
hydro-electric.....	14,503,793,891	17,120,751,554	18.0
fuel-electric.....	1,758,967,050	956,915,410	45.6
Total generated.....	16,262,760,941	18,077,666,964	11.2
Purchased.....	4,649,684,423	4,308,789,912	7.3
Primary.....	19,951,316,864	20,788,569,396	4.2
Secondary.....	961,128,500	1,597,887,480	66.3
Total.....	20,912,445,364	22,386,456,876	7.0

\* Net interchange between Southern Ontario System and Northeastern Division of the Northern Ontario Properties

## AND RESOURCES

## Northern Ontario Properties

NORTHEASTERN DIVISION			NORTHWESTERN DIVISION		
1953	1954	Increase or decrease	1953	1954	Increase or decrease
kw	kw	kw	kw	kw	kw
307,750	319,146	11,396	239,956	266,596	26,640
...	...	...	...	...	...
307,750	319,146	11,396	239,956	266,596	26,640
297,700	297,700	0	261,100	290,500	29,400
500	500	0	1,800	2,100	300
...	...	...	...	...	...
298,200	298,200	0	262,900	292,600	29,700

at the time of December primary peak requirements.

## ACCOUNT

## Disposal of Energy in Wholesale Quantities

	1953	1954	Increase or decrease
<b>SOUTHERN ONTARIO SYSTEM</b>	kwh	kwh	per cent
Primary—Municipal electrical utilities.....	9,174,994,735	9,991,865,920	8.9
—Local systems.....	30,995,112	29,698,056	4.2
—Rural power district.....	1,321,801,628	1,477,175,314	11.8
—Direct industrial customers.....	4,261,764,361	3,857,235,623	9.5
Total primary.....	14,789,555,836	15,355,974,913	3.8
Secondary—Direct industrial customers.....	617,283,200	1,141,351,100	84.9
Total primary and secondary.....	15,406,839,036	16,497,326,013	7.1
Losses and unaccounted for.....	1,675,523,873	1,815,891,529	8.4
Total.....	17,082,362,909	18,313,217,542	7.2
<b>NORTHERN ONTARIO PROPERTIES</b>			
<b>NORTHEASTERN DIVISION</b>			
Primary—Municipal electrical utilities.....	172,465,332	199,100,369	15.4
—Local systems.....	99,160,682	105,525,171	6.4
—Rural power district.....	83,999,655	99,703,316	18.7
—Direct industrial customers.....	1,282,869,640	1,370,784,947	6.9
Total primary.....	1,638,495,309	1,775,113,803	8.3
Secondary—Direct industrial customers.....	71,273,496	95,918,793	34.6
Total primary and secondary.....	1,709,768,805	1,871,032,596	9.4
Losses and unaccounted for.....	307,417,800	301,432,918	1.9
Total.....	2,017,186,605	2,172,465,514	7.7
<b>NORTHWESTERN DIVISION</b>			
Primary—Municipal electrical utilities.....	331,943,791	337,491,369	1.7
—Local systems.....	16,847,460	19,874,800	18.0
—Rural power district.....	24,719,681	29,054,804	17.5
—Direct industrial customers.....	1,063,552,130	1,133,257,996	6.6
Total primary.....	1,437,063,062	1,519,678,969	5.7
Secondary—Direct industrial customers.....	220,319,217	223,704,948	1.5
Total primary and secondary.....	1,657,382,279	1,743,383,917	5.2
Losses and unaccounted for.....	155,513,571	157,389,903	1.2
Total.....	1,812,895,850	1,900,773,820	4.8
<b>ALL SYSTEMS</b>			
Primary—Municipal electrical utilities.....	9,679,403,858	10,528,457,658	8.8
—Local systems.....	147,003,254	155,098,027	5.5
—Rural power district.....	1,430,520,964	1,605,933,434	12.3
—Direct industrial customers.....	6,608,186,131	6,361,278,566	3.7
Total primary.....	17,865,114,207	18,650,767,685	4.4
Secondary—Direct industrial customers.....	908,875,913	1,460,974,841	60.7
Total primary and secondary.....	18,773,990,120	20,111,742,526	7.1
Losses and unaccounted for.....	2,138,455,244	2,274,714,350	6.4
Total.....	20,912,445,364	22,386,456,876	7.0

**DEPENDABLE PEAK CAPACITY, ACTUAL STATION PEAK OUTPUT  
IN DECEMBER 1954, AND TOTAL ENERGY OUTPUT  
DURING 1954**

		Depend- able 20-min peak capacity	Actual 20-min peak output (net)	Total energy output (net)
<b>SOUTHERN ONTARIO SYSTEM</b>				
<b>River</b>	<b>Hydro-Electric Generating Stations</b>	kw	kw	kwh
Niagara	*Sir Adam Beck-Niagara No. 1 . . . . .	461,000	458,000	2,984,545,100
	Sir Adam Beck-Niagara No. 2 . . . . .	578,000	620,000	1,329,867,800
	*Ontario Power . . . . .	135,000	138,000	1,101,943,000
	*Toronto Power . . . . .	108,000	110,000	848,755,300
Welland Canal	DeCew Falls (25 & 60 cycle) . . . . .	117,000	127,500	684,534,800
	DeCew Falls . . . . .	33,000	34,000	284,711,500
Muskoka	Ragged Rapids . . . . .	7,500	7,650	44,732,050
	Big Eddy . . . . .	7,100	7,950	43,076,700
	Bala No. 1 and 2 . . . . .	350	350	1,901,200
South Muskoka	South Falls . . . . .	4,200	4,500	28,082,775
	Trethewey Falls . . . . .	1,600	1,700	10,528,800
	Hanna Chute . . . . .	1,200	1,300	8,260,600
Beaver	Eugenia . . . . .	5,400	5,320	29,534,600
	Big Chute . . . . .	4,300	4,320	31,204,400
Severn	Wasdell Falls . . . . .	750	670	4,317,048
	Walkerton . . . . .	350	355	1,821,000
Saugeen	Hanover . . . . .	250	230	917,808
Magnetawan	Burks Falls . . . . .	250	125	289,800
	Heely Falls . . . . .	11,150	11,925	79,878,780
Trent	Ranney Falls . . . . .	8,350	8,755	61,332,180
	Meyersburg . . . . .	5,100	5,890	37,395,290
	Sidney . . . . .	3,350	3,800	24,326,400
	Hagues Reach . . . . .	3,250	3,725	25,110,550
	Seymour . . . . .	2,950	3,175	20,615,040
	Frankford . . . . .	2,550	2,900	17,980,800
	Sills Island . . . . .	1,550	840	6,095,820
Otonabee	Auburn . . . . .	1,750	1,230	10,340,200
	Lakefield . . . . .	1,650	1,665	8,866,340
	Fenelon Falls . . . . .	700	700	5,135,520
Ottawa	Des Joachims . . . . .	380,000	375,000	2,344,811,100
	Otto Holden . . . . .	210,000	223,500	1,239,903,300
	Chenau . . . . .	120,000	119,000	770,691,600
Madawaska	Chats Falls (Ontario half) (25 & 60 cycle)	82,000	83,100	438,092,700
	Stewartville . . . . .	63,000	63,500	282,581,300
	Barrett Chute . . . . .	42,000	41,500	241,532,200
Mississippi	Calabogie . . . . .	4,400	4,290	29,322,900
	High Falls . . . . .	2,450	2,100	18,483,840
Rideau	Galetta . . . . .	800	880	5,238,080
	Merrickville . . . . .	900	820	4,188,705
<b>Location</b>	<b>Fuel-Electric Generating Stations</b>			
Windsor	J. Clark Keith (steam) . . . . .	244,000	110,000	453,677,600
Hamilton	Hamilton Beach (steam) . . . . .	...	...	215,100
	*Steel Company of Canada (steam) . . . . .	...	2,000	10,299,600
	Westinghouse (diesel) . . . . .	0	0	0
Thorold	Ontario Paper (steam) . . . . .	...	...	114,000
Toronto	Richard L. Hearn (steam) (25 & 60 cycle)	186,000	193,000	492,143,800
	Scarborough (steam) . . . . .	20,000	0	452,100
Total . . . . .		2,863,150	**	14,067,849,126

\* 25-cycle stations; others are 60-cycle, except as indicated.

\*\* Because the maximum 20-minute peak outputs of the various generating stations and purchased-power sources in a system do not occur coincidentally, the sum of the power outputs should not be construed as representative of the peak load of that system.

**DEPENDABLE PEAK CAPACITY, ACTUAL STATION PEAK OUTPUT  
IN DECEMBER 1954, AND TOTAL ENERGY OUTPUT  
DURING 1954**

		Dependable 20-min peak capacity	Actual 20-min peak output (net)	Total energy output (net)
<b>NORTHERN ONTARIO PROPERTIES</b>				
<b>NORTHEASTERN DIVISION</b>				
<b>River</b>	<b>Hydro-Electric Generating Stations</b>	kw	kw	kwh
Abitibi	*Abitibi Canyon	181,000	180,000	1,312,233,000
Mississagi	George W. Rayner	47,000	46,600	338,906,620
Mattagami	*Wawaitin	10,800	10,700	72,621,828
	*Lower Sturgeon	6,000	6,000	45,208,282
	*Sandy Falls	3,000	2,580	19,267,248
Montreal	Upper Notch	8,400	8,500	58,766,000
	Hound Chute	3,600	3,960	31,324,800
	Indian Chute	3,000	3,080	21,181,800
	Fountain Falls	2,000	2,000	15,933,500
Wanapitei	Stinson	5,700	5,880	35,001,640
	Coniston	4,100	1,890	15,408,220
	McVittie	2,200	2,100	15,644,840
Matabitchuan	Matabitchuan	8,800	8,780	61,312,120
Sturgeon	Crystal Falls	8,200	8,350	45,038,800
South	Nipissing	1,600	1,590	11,698,000
	Elliott Chute	1,400	1,440	6,555,400
	Bingham Chute	900	960	5,938,720
Kagawong	Kagawong	...	740	5,041,390
<b>Location</b>	<b>Fuel-Electric Generating Station</b>			
Kagawong	Kagawong (diesel portion)	500	170	13,210
Total		298,200	**	2,117,095,418
<b>NORTHWESTERN DIVISION</b>				
<b>River</b>	<b>Hydro-Electric Generating Stations</b>			
Nipigon	Pine Portage	88,500	105,000	544,028,370
	Cameron Falls	59,100	48,500	426,861,800
	Alexander	52,300	53,500	366,361,140
Aguasabon	Aguasabon	44,000	46,000	229,773,330
Kaministiquia	Kakabeka Falls	25,000	21,300	157,262,300
English	Ear Falls	19,500	19,700	153,800,800
Albany	Rat Rapids	2,100	2,100	14,634,680
Total		290,500	**	1,892,722,420
Total generated—All systems		3,451,850	**	18,077,666,964
<b>SOURCES OF PURCHASED POWER</b>				
<b>SOUTHERN ONTARIO SYSTEM</b>				
Detroit Edison Company		...	148,000	102,478,000
Polymer Corporation		22,000	800	1,745,400
*Canadian Niagara Power Company		15,000	17,000	93,586,000
Gatineau Power Company (25 & 60 cycle)		254,000	286,300	1,533,111,200
*Quebec Hydro-Electric Commission (Beauharnois)		187,000	240,000	1,354,350,000
MacLaren-Quebec Power Company (25 & 60 cycle)		119,000	125,600	716,632,000
Ottawa Valley Power Company (25 & 60 cycle)		82,000	83,100	441,950,500
Niagara Mohawk Power Corporation		...	0	10,561,300
Miscellaneous (relatively small suppliers) (25 & 60 cycle)		2,100	372	10,526,016
Total		681,100	**	4,264,940,416
<b>NORTHERN ONTARIO PROPERTIES</b>				
<b>NORTHEASTERN DIVISION</b>				
Abitibi Power & Paper Company (25 & 60 cycle)		...	3,600	6,252,480
Quebec Hydro-Electric Commission (25 & 60 cycle)		...	7,000	20,980,882
Miscellaneous (relatively small suppliers)		...	1,179	8,564,734
Total		...	**	35,798,096
<b>NORTHWESTERN DIVISION</b>				
Ontario-Minnesota Pulp and Paper Company		2,100	1,996	8,051,400
Total purchased—All systems		683,200	**	4,308,789,912
Total generated and purchased—All systems		4,135,050	**	22,386,456,876

## POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1954	Peak load December 1954	Energy supplied during 1954	Increase or decrease in energy consumption 1954 over 1953
SOUTHERN ONTARIO SYSTEM		cycles	kW	'000 kWh	per cent
Acton.....	Jan. '13	60	2,745.2	11,689	8.8
Ailsa Craig.....	Jan. '16	60	220.0	851	9.2
Ajax.....	Jan. '52	60	3,427.8	15,230	13.5
Alexandria.....	Jan. '21	60	1,007.8	4,025	9.2
Alfred.....	June '52	60	217.2	625	9.1
Alliston.....	June '18	60	1,133.0	5,218	11.1
Almonte.....	Feb. '45	60	1,055.7	1,860	4.5
Alvinston.....	Apr. '22	60	229.4	707	5.2
Amherstburg.....	Feb. '19	60	2,139.4	10,138	5.3
Ancaster Twp.....	Jan. '14	25	1,437.0	5,707	18.3
Apple Hill.....	Apr. '21	60	68.4	245	4.8
Arkona.....	Dec. '26	60	227.9	766	13.4
Arnprior.....	June '29	60	2,890.5	11,759	14.9
Arthur.....	Dec. '16	60	457.8	1,918	16.0
Athens.....	Jan. '29	60	291.0	1,028	22.5
Aurora.....	Dec. '20	60	2,580.6	12,906	9.0
Aylmer.....	Mar. '18	25	2,875.4	11,335	11.4
Ayr.....	Jan. '15	25	498.4	1,767	14.9
Baden.....	May '12	60	364.2	1,406	47.7
Bala.....	Apr. '29	60	201.0	1,334	14.7
Bancroft.....	Mar. '50	60	260.0	1,009	86.2
Barrie.....	Apr. '13	60	9,728.0	45,012	13.7
Barry's Bay.....	Jan. '50	60	268.3	745	29.1
Bath.....	Nov. '31	60	187.0	601	28.5
Beachville.....	Aug. '12	25 & 60	1,082.0	6,070	2.2
Beamsville.....	Jan. '30	25	1,114.1	5,131	9.0
Beaverton.....	Nov. '14	60	745.1	2,325	23.1
Beeton.....	Aug. '18	60	306.2	1,127	20.2
Belle River.....	Dec. '22	60	470.5	2,087	16.3
Belleville.....	Mar. '16	60	13,462.6	65,616	6.9
Blenheim.....	Nov. '15	25	1,217.3	4,533	3.5
Bloomfield.....	Apr. '19	60	279.9	1,099	12.6
Blyth.....	July '24	60	415.2	1,616	5.9
Bobcaygeon.....	July '46	60	404.0	1,617	15.6
Bolton.....	Feb. '15	60	590.4	2,110	15.1
Bothwell.....	Sep. '15	25	397.4	1,085	8.9
Bowmanville.....	Mar. '16	60	4,901.1	20,177	6.4
Bradford.....	Oct. '18	60	991.0	4,607	19.5
Braeside.....	June '29	60	240.1	690	5.7
Brampton.....	Nov. '11	25 & 60	6,791.3	29,559	17.0

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Fre-quency December 1954	Peak load December 1954	Energy supplied during 1954	Increase or decrease in energy consumption 1954 over 1953
		cycles	kw	'000 kwh	per cent
SOUTHERN ONTARIO SYSTEM—Continued					
Brantford.....	Feb. '14	25 & 60	28,260.5	132,630	5.7
Brantford Twp.....	Oct. '15	25 & 60	6,521.4	25,762	17.4
Brechin.....	Jan. '15	60	98.0	293	11.6
Bridgeport.....	Mar. '28	60	589.4	2,233	17.2
Brigden.....	Jan. '18	60	161.5	589	12.1
Brighton.....	Mar. '16	60	944.2	4,083	7.7
Brockville.....	Apr. '15	60	9,656.2	45,139	8.1
Bronte.....	Jan. '30	60	810.0	2,917	43.3
Brussels.....	July '24	60	404.5	1,865	5.4
Burford.....	June '15	25	544.4	2,034	6.5
Burgessville.....	Nov. '16	25	143.4	440	16.3
Burk's Falls.....	Jan. '50	60	308.7	1,040	19.0
Burlington.....	Jan. '30	60	5,135.3	20,054	21.8
Burlington Beach.....	Jan. '30	25 & 60	1,116.6	4,338	10.6
Caledonia.....	Oct. '12	25	804.0	3,271	6.3
Campbellville.....	Jan. '25	25	124.0	409	9.9
Cannington.....	Nov. '14	60	479.0	1,773	10.0
Cardinal.....	July '30	60	715.5	2,635	11.3
Carleton Place.....	May '19	60	2,520.0	11,549	8.8
Casselman.....	Dec. '52	60	282.0	1,104	25.5
Cayuga.....	Nov. '24	25	287.0	1,161	6.4
Chatham.....	Feb. '15	25 & 60	12,655.1	58,114	4.7
Chatsworth.....	Dec. '15	60	240.5	775	3.6
Chesley.....	July '16	60	971.4	3,743	5.1
Chesterville.....	Apr. '14	60	762.7	3,497	10.1
Chippawa.....	Sep. '19	25	796.4	3,251	9.3
Clifford.....	May '24	60	262.0	1,076	7.9
Clinton.....	Mar. '14	60	1,756.9	7,682	7.6
Cobden.....	Dec. '34	60	405.8	1,617	16.6
Cobourg.....	Mar. '16	60	5,978.8	26,002	23.5
Colborne.....	Mar. '16	60	623.2	2,571	13.4
Coldwater.....	Mar. '13	60	345.3	1,218	12.7
Collingwood.....	Mar. '13	60	4,300.9	18,190	6.2
Comber.....	May '15	25	234.1	819	1.7
Cookstown.....	May '18	60	233.0	825	11.7
Cottam.....	Feb. '19	60	199.0	684	11.6
Courtright.....	Dec. '23	60	137.4	483	10.0
Creemore.....	Nov. '14	60	380.8	1,348	16.0
Dashwood.....	Sep. '17	60	205.8	655	9.5
Delaware.....	Mar. '15	60	203.0	603	2.6

## POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1954	Peak load December 1954	Energy supplied during 1954	Increase or decrease in energy consumption 1954 over 1953
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Delhi .....	May '38	25	1,790.4	5,674	9.0
Deseronto .....	Mar. '16	60	595.5	2,925	10.8
Dorchester .....	Dec. '14	60	281.4	1,015	5.0
Drayton .....	Mar. '18	60	264.0	929	7.4
Dresden .....	Apr. '15	60	829.7	3,822	11.4
Drumbo .....	Dec. '14	25	196.7	650	5.6
Dublin .....	Oct. '17	60	117.1	489	6.9
Dundalk .....	Dec. '15	60	476.4	1,507	15.1
Dundas .....	Jan. '11	25 & 60	4,685.4	19,532	8.4
Dunnville .....	June '18	25 & 60	2,744.2	11,105	3.8
Durham .....	Dec. '15	60	837.0	3,691	7.3
Dutton .....	Sep. '15	25	316.5	1,225	1.8
East York Twp. ....	Dec. '23	60	32,411.0	141,051	7.9
Eganville .....	Apr. '52	60	188.1	620	65.0
Elmira .....	Nov. '13	60	2,540.7	11,426	8.8
Elmvale .....	June '13	60	434.3	1,787	14.8
Elmwood .....	Apr. '18	60	177.4	434	2.9
Elora .....	Nov. '14	25	674.2	2,649	6.2
Embro .....	Jan. '15	25	287.9	1,086	9.3
Erieau .....	July '24	25	239.0	1,198	1.2
Erie Beach .....	July '25	25	34.4	98	2.6
Erin .....	Jan. '45	60	356.3	1,185	20.6
Essex .....	Feb. '19	60	1,202.7	5,275	5.1
Etobicoke Twp. ....	Aug. '17	60	54,613.8	252,122	29.2
Exeter .....	June '16	60	1,547.2	6,410	4.7
Fergus .....	Nov. '14	25	2,317.3	9,482	6.2
Finch .....	Feb. '28	60	182.9	711	3.6
Flesherton .....	Dec. '15	60	321.1	870	16.0
Fonthill .....	June '26	25	826.4	3,494	14.5
Forest .....	Mar. '17	60	939.7	4,526	8.7
Forest Hill .....	Jan. '38	60	12,221.1	54,068	14.2
Frankford .....	Oct. '37	60	506.4	1,834	21.7
Galt .....	May '11	60	16,833.0	72,866	4.1
Georgetown .....	Sep. '13	60	3,761.2	17,322	16.1
Glencoe .....	Aug. '20	60	352.3	1,390	9.5
Goderich .....	Feb. '14	60	3,168.0	14,655	10.6
Grand Bend .....	July '54	60	350.6	1,220	...
Grand Valley .....	Dec. '16	60	327.6	1,254	5.1
Granton .....	July '16	60	106.9	343	11.6
Gravenhurst .....	Nov. '15	60	2,144.5	10,195	8.1

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Frequency December 1954	Peak load December 1954	Energy supplied during 1954	Increase or decrease in energy consumption 1954 over 1953
		cycles	kw	'000 kwh	per cent
SOUTHERN ONTARIO SYSTEM—Continued					
Grimsby.....	Jan. '30	25	1,894.8	8,475	9.1
Guelph.....	Dec. '10	25 & 60	21,118.9	103,406	9.2
Hagersville.....	Sep. '13	25	1,591.1	5,397	7.1
Hamilton.....	Feb. '11	25 & 60	214,568.2	1,159,950	0.2
Hanover.....	Sep. '16	60	2,696.8	10,610	10.8
Harriston.....	July '16	60	930.0	4,254	9.0
Harrow.....	Feb. '19	60	976.7	3,764	7.1
Hastings.....	June '31	60	269.2	1,127	22.3
Havelock.....	Feb. '21	60	350.6	1,334	1.3
Hawkesbury.....	June '52	60	1,692.5	8,278	11.1
Hensall.....	Jan. '17	60	584.0	2,064	12.4
Hepworth.....	Apr. '30	60	109.8	321	6.9
Hespeler.....	Feb. '11	25 & 60	4,996.7	20,167	15.3
Highgate.....	Dec. '16	25	190.2	471	4.1
Holstein.....	May '16	60	80.0	318	3.0
Huntsville.....	Sep. '16	60	1,968.8	10,512	3.7
Ingersoll.....	May '11	25 & 60	4,210.8	17,953	1.2
Iroquois.....	Feb. '40	60	544.8	2,338	3.8
Jarvis.....	Feb. '24	25	302.9	1,120	5.3
Kemptville.....	Dec. '21	60	1,017.8	4,392	1.9
Kincardine.....	Mar. '21	60	1,361.0	6,732	8.5
Kingston.....	Dec. '17	60	30,191.5	141,684	7.9
Kingsville.....	Feb. '19	60	1,728.1	6,172	10.5
Kirkfield.....	June '20	60	61.1	214	8.4
Kitchener.....	Jan. '11	60	44,709.7	217,916	7.8
Lakefield.....	Aug. '20	60	1,437.0	6,637	17.7
Lambeth.....	Apr. '15	60	760.6	2,490	9.4
Lanark.....	Sep. '21	60	229.9	870	14.0
Lancaster.....	May '21	60	164.5	597	8.2
La Salle.....	Nov. '25	60	871.5	3,346	11.8
Leamington.....	Feb. '19	60	4,153.3	18,537	8.0
Lindsay.....	Mar. '16	60	5,850.7	28,342	3.1
Listowel.....	June '16	60	2,154.0	9,021	1.7
London.....	Jan. '11	60	54,515.8	287,215	2.1
London Twp.....	Sep. '17	60	1,519.0	5,306	9.7
Long Branch.....	Jan. '31	60	5,205.4	23,085	13.5
L'Orignal.....	June '52	60	182.4	673	10.9
Lucan.....	Feb. '15	60	526.1	1,969	13.1
Lucknow.....	Jan. '21	60	531.8	2,116	12.4
Lynden.....	Nov. '15	25	241.8	782	8.6

## POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1954	Peak load December 1954	Energy supplied during 1954	Increase or decrease in energy consumption 1954 over 1953
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Madoc.....	Mar. '16	60	793.4	2,614	14.2
Magnetawan.....	July '51	60	91.2	197	0.3
Markdale.....	Mar. '16	60	485.5	1,787	9.1
Markham.....	Apr. '20	60	1,238.0	4,316	21.5
Marmora.....	Jan. '21	60	554.9	1,922	21.5
Martintown.....	May '21	60	109.4	335	13.8
Maxville.....	Feb. '21	60	339.9	1,034	11.3
Meaford.....	Jan. '24	60	1,875.6	7,800	10.6
Merlin.....	Dec. '22	25	240.6	771	13.9
Merrickville.....	July '50	60	349.2	1,562	14.5
Merritton.....	Nov. '20	25 & 60	14,383.6	72,009	1.5
Midland.....	July '11	60	5,963.5	24,225	1.5
Mildmay.....	Apr. '30	60	360.9	1,360	9.5
Millbrook.....	Mar. '16	60	321.6	1,242	13.8
Milton.....	Apr. '13	25 & 60	2,825.6	11,379	13.7
Milverton.....	June '16	60	733.2	2,667	12.3
Mimico.....	May '12	60	6,393.8	27,621	11.9
Mitchell.....	Sep. '11	60	1,287.9	6,026	11.7
Moorefield.....	Mar. '18	60	171.9	575	25.5
Morrisburg.....	June '38	60	881.5	4,077	8.4
Mount Brydges.....	Mar. '15	60	237.4	883	5.1
Mount Forest.....	Dec. '15	60	1,273.0	4,894	11.6
Napanee.....	Mar. '16	60	2,461.3	11,248	7.6
Neustadt.....	Dec. '18	60	202.7	726	2.1
Newboro.....	Dec. '48	60	66.9	224	11.7
Newburgh.....	Mar. '16	60	170.3	650	12.9
Newbury.....	Mar. '21	25	94.8	339	13.8
Newcastle.....	Mar. '16	60	603.3	2,438	6.5
New Hamburg.....	Mar. '11	60	1,166.8	4,091	8.6
Newmarket.....	Dec. '20	60	3,721.8	15,917	6.9
New Toronto.....	Feb. '14	60	15,899.4	79,518	5.1
Niagara.....	Aug. '19	25	1,666.0	8,315	8.8
Niagara Falls.....	Dec. '15	25 & 60	15,761.0	78,173	2.5
North York Twp.....	Nov. '23	60	88,297.3	353,152	29.1
Norwich.....	May '12	25	847.0	3,326	8.8
Norwood.....	Feb. '21	60	360.2	1,735	14.2
Oakville.....	Jan. '30	60	6,619.1	27,482	18.0
Oil Springs.....	Feb. '18	60	202.5	1,068	2.4
Omeme.....	Jan. '18	60	341.0	1,262	22.3
Orangeville.....	July '16	60	1,838.2	7,927	12.6

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Fre- quency December 1954	Peak load December 1954	Energy supplied during 1954	Increase or decrease in energy consumption 1954 over 1953
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Orillia.....	Jan. '54	60	2,573.5	8,381	
Orono.....	Mar. '16	60	317.8	1,155	17.8
Oshawa.....	Mar. '16	60	40,540.8	194,649	12.4
Ottawa.....	Jan. '14	60	98,749.0	411,488	15.0
Otterville.....	Feb. '16	25	297.4	1,123	8.8
Owen Sound.....	Dec. '15	60	9,445.0	42,711	5.0
Paisley.....	Sep. '23	60	375.2	1,334	13.6
Palmerston.....	July '16	60	947.9	4,364	5.6
Paris.....	Feb. '14	25	2,649.8	11,555	2.3
Parkhill.....	May '20	60	604.8	2,298	8.2
Parry Sound.....	Aug. '46	60	1,202.5	4,120	6.5
Penetanguishene.....	July '11	60	1,844.0	8,569	0.9
Perth.....	Feb. '19	60	2,988.1	11,555	8.5
Peterborough.....	Mar. '13	60	28,784.0	139,084	5.2
Petrolia.....	May '16	60	1,383.0	6,141	8.8
Picton.....	Apr. '19	60	2,826.3	12,256	6.6
Plattsville.....	Dec. '14	25	463.4	1,503	18.4
Point Edward.....	Nov. '16	60	2,560.0	9,715	7.9
Port Carling.....	Apr. '29	60	255.8	1,752	16.8
Port Colborne.....	Mar. '20	25 & 60	4,978.6	20,558	3.3
Port Credit.....	Aug. '12	60	3,851.5	17,888	24.5
Port Dalhousie.....	Nov. '12	25	1,468.1	7,341	11.1
Port Dover.....	Dec. '21	25	1,342.2	5,599	9.5
Port Elgin.....	Apr. '30	60	849.2	3,835	5.3
Port Hope.....	Mar. '16	60	5,396.7	24,915	7.3
Port McNicoll.....	Jan. '15	60	1,224.0	2,189	14.5
Port Perry.....	Sep. '22	60	948.0	3,113	0.4
Port Rowan.....	Nov. '26	25	222.3	812	10.7
Port Stanley.....	Apr. '12	25	852.1	4,356	5.2
Prescott.....	Dec. '13	60	2,634.9	10,495	19.8
Preston.....	Jan. '11	25 & 60	6,955.9	26,383	4.1
Priceville.....	Mar. '21	60	38.0	110	30.2
Princeton.....	Jan. '15	25	208.0	744	7.4
Queenston.....	Mar. '21	60	291.5	1,356	10.6
Renfrew.....	Dec. '44	60	2,430.9	9,501	6.9
Richmond.....	Aug. '28	60	305.7	1,083	11.9
Richmond Hill.....	June '25	60	2,372.4	8,745	23.4
Ridgetown.....	Dec. '15	25	1,013.9	3,463	15.8
Ripley.....	Jan. '21	60	226.5	808	12.4
Riverside.....	Nov. '22	60	4,640.2	16,322	5.4

## POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality.	Date of first delivery	Fre-quency December 1954	Peak load December 1954	Energy supplied during 1954	Increase or decrease in energy consumption 1954 over 1953
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Rockland.....	Apr. '54	60	586.2	1,461	...
Rockwood.....	Sep. '13	25	361.0	1,310	13.8
Rodney.....	Feb. '17	25	385.2	1,338	9.3
Rosseau.....	July '31	60	55.1	236	14.9
Russell.....	Feb. '26	60	192.8	693	13.7
St. Catharines.....	Apr. '14	25 & 60	36,691.4	166,634	3.5
St. Clair Beach.....	Nov. '22	60	287.4	1,151	30.9
St. George.....	Sep. '15	25	193.0	1,225	0.9
St. Jacobs.....	Sep. '17	60	382.6	1,650	6.9
St. Mary's.....	May '11	60	2,409.0	11,454	4.4
St. Thomas.....	Apr. '11	25 & 60	10,937.0	54,267	0.5
Sarnia.....	Dec. '16	60	32,210.5	172,713	29.1
*Scarborough Twp.....	Aug. '18	60	66,294.0	274,304	46.4
Seaforth.....	Nov. '11	60	1,444.0	5,839	11.7
Shelburne.....	July '16	60	630.8	2,446	1.2
Simcoe.....	Apr. '15	25	4,811.7	20,807	8.7
Smith's Falls.....	Sep. '18	60	5,720.0	24,240	14.9
Smithville.....	Jan. '30	25	417.5	1,773	10.9
Southampton.....	Apr. '30	60	746.3	3,788	3.5
Springfield.....	Aug. '17	25	144.6	565	6.1
Stamford Twp.....	Nov. '16	25 & 60	11,476.5	49,106	16.0
Stayner.....	Oct. '13	60	698.0	2,910	18.4
Stirling.....	Mar. '16	60	726.9	2,606	6.5
Stoney Creek.....	Jan. '30	25	1,952.8	7,529	32.6
Stouffville.....	Sep. '23	60	1,190.2	4,196	13.7
Stratford.....	Jan. '11	60	11,896.9	56,139	6.3
Strathroy.....	Dec. '14	60	2,398.7	11,042	6.4
Streetsville.....	Dec. '34	25	1,306.4	6,058	24.4
Sunderland.....	Nov. '14	60	283.1	1,001	5.1
Sundridge.....	June '52	60	153.0	611	15.4
Sutton.....	Aug. '23	60	647.6	3,248	11.6
Swansea.....	Oct. '37	60	4,818.1	22,683	4.3
Tara.....	Feb. '18	60	260.6	864	6.5
Tavistock.....	Nov. '16	60	825.3	3,560	11.1
Tecumseh.....	Nov. '22	60	1,092.0	4,858	13.8
Teeswater.....	Dec. '20	60	372.5	1,571	9.2
Thamesford.....	Feb. '14	60	395.7	1,434	6.1
Thamesville.....	Oct. '15	25	581.6	1,807	2.3
Thedford.....	May '22	60	281.2	1,140	2.0
Thornbury.....	Sep. '44	60	411.3	1,317	25.5

\* Includes former cost-contract municipality of Agincourt.

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Frequency December 1954	Peak load December 1954	Energy supplied during 1954	Increase or decrease in energy consumption 1954 over 1953
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Thorndale.....	Mar. '14	60	201.2	657	8.3
Thornton.....	Nov. '18	60	112.2	284	23.3
Thorold.....	Jan. '21	25 & 60	7,762.2	44,441	7.4
Tilbury.....	Apr. '15	25	1,405.5	5,966	0.6
Tillsonburg.....	Aug. '11	25	3,534.4	13,506	6.1
Toronto.....	June '11	25 & 60	490,669.0	2,668,388	7.0
Toronto Twp.....	Aug. '13	60	26,116.1	120,457	63.5
Tottenham.....	Oct. '18	60	299.4	1,140	12.5
Trafalgar Twp.....	Dec. '23	60	3,698.4	14,373	24.0
Trenton.....	Mar. '16	60	9,848.2	46,299	8.9
Tweed.....	Mar. '16	60	739.1	3,175	2.2
Uxbridge.....	Sep. '22	60	1,005.7	3,916	9.2
Vankleek Hill.....	June '52	60	303.2	1,196	1.9
Victoria Harbour.....	July '14	60	205.0	939	13.0
Walkerton.....	Apr. '30	60	1,924.0	7,784	13.2
Wallaceburg.....	Feb. '15	60	6,836.5	35,987	4.0
Wardsville.....	June '21	25	127.0	470	4.7
Warkworth.....	Oct. '23	60	218.1	652	5.7
Wasaga Beach.....	Jan. '53	60	185.3	1,870	2.5
Waterdown.....	Nov. '11	60	817.5	3,031	8.8
Waterford.....	Apr. '15	25	749.6	2,938	0.4
Waterloo.....	Dec. '10	60	12,124.0	45,707	5.1
Watford.....	Sep. '17	60	742.9	2,860	7.8
Waubushene.....	Dec. '14	60	167.4	787	4.0
Welland.....	Sep. '17	25 & 60	11,407.9	54,344	5.3
Wellesley.....	Nov. '16	60	330.8	1,054	5.7
Wellington.....	Apr. '19	60	410.5	1,853	18.7
West Lorne.....	Jan. '17	25	856.0	2,822	8.6
Weston.....	Aug. '11	60	7,441.0	35,704	4.8
Westport.....	Nov. '31	60	276.1	1,008	9.6
Wheatley.....	Feb. '24	60	564.8	2,329	10.7
Whitby.....	Mar. '16	60	3,979.6	16,931	14.1
Warton.....	Apr. '30	60	953.8	4,122	7.1
Williamsburg.....	Apr. '15	60	153.6	645	4.6
Winchester.....	Jan. '14	60	744.9	3,238	15.2
Windermere.....	June '30	60	48.5	409	2.4
Windsor.....	Oct. '14	60	67,469.0	314,317	4.1
Wingham.....	Dec. '20	60	1,375.5	6,728	5.3
Woodbridge.....	Dec. '14	60	1,783.4	8,649	4.5
Woodstock.....	Jan. '11	25 & 60	13,042.8	59,882	3.3
Woodville.....	Nov. '14	60	176.5	588	9.8
Wyoming.....	Nov. '16	60	269.7	969	8.5
York Twp.....	Jan. '13	60	49,368.4	228,400	8.1
Zurich.....	Sep. '17	60	283.5	1,026	10.4

**POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES  
TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS**

Municipality	Date of first delivery	Frequency December 1954	Peak load December 1954	Energy supplied during 1954	Increase or decrease in energy consumption 1954 over 1953
NORTHERN ONTARIO PROPERTIES		cycles	kw	'000 kwh	per cent
Atikokan.....	Dec. '44	60	2,168.8	9,459	29.8
Beardmore.....	June '37	60	358.0	1,504	10.2
Blind River.....	Nov. '54	60	755.1	603	...
Cache Bay.....	Dec. '50	60	102.2	1,093	9.6
Capreol.....	May '35	60	1,085.4	4,921	8.4
Cobalt.....	Jan. '45	60	884.2	3,615	10.3
Cochrane.....	Dec. '52	60	1,783.0	9,146	10.9
Dryden.....	Feb. '54	60	1,624.3	7,550	...
Elk Lake Townsite....	Jan. '45	25	243.8	613	20.4
Englehart.....	Jan. '45	60	727.6	2,976	1.6
Fort William.....	Oct. '26	60	29,941.8	161,139	1.8
Geraldton.....	Feb. '37	60	1,036.6	4,192	11.5
Haileybury.....	Jan. '45	60	1,215.6	4,981	10.4
Hearst.....	Apr. '52	60	589.4	2,622	10.6
Hudson Townsite.....	Oct. '39	60	123.5	451	5.4
Ignace.....	Dec. '54	60	30.0	8	...
Jellicoe Townsite.....	Dec. '51	60	26.0	102	18.1
Kapuskasing.....	Aug. '53	60	2,409.9	9,433	...
Kearns Townsite.....	Dec. '38	25	180.8	676	20.7
King Kirkland Townsite	Dec. '36	25	72.8	277	9.2
Kirkland Lake.....	Jan. '45	25 & 60	6,857.4	26,170	0.1
Larder Lake Twp.....	Mar. '49	60	599.0	2,604	12.8
Latchford.....	Apr. '50	60	116.6	361	23.0
Massey.....	Dec. '52	60	186.0	637	13.2
Matachewan Twp.....	Apr. '35	25	277.8	1,158	3.1
Matheson.....	Dec. '35	25	415.2	1,674	15.5
Mattawa.....	Jan. '53	60	1,039.9	4,248	6.5
McGarry.....	Mar. '49	60	708.0	2,830	7.1
New Liskeard.....	Jan. '45	60	2,625.1	9,839	14.2
Nipigon Twp.....	Jan. '25	60	872.6	4,313	16.3
North Bay.....	Mar. '16	60	10,385.8	50,677	9.8
Pickle Lake Landing Townsite.....	Aug. '52	60	29.0	95	46.0
Port Arthur.....	Dec. '10	60	34,623.0	146,973	0.8
Powassan.....	Mar. '16	60	362.8	1,192	0.0
*Red Lake Townsite....	June '38	60	906.1	4,064	6.8
Red Rock.....	Feb. '48	60	569.0	2,449	12.1
Schreiber Twp.....	Nov. '48	60	769.8	3,374	13.3
Sicoux Lookout.....	Sep. '39	60	1,208.0	6,135	4.0
South Porcupine Townsite.....	Jan. '45	25	1,681.0	6,742	6.0
Sturgeon Falls.....	Apr. '51	60	1,425.8	5,982	14.5
Sudbury.....	Feb. '30	60	23,002.7	105,120	9.8
Terrace Bay.....	Jan. '48	60	1,172.4	5,557	12.3
Thornloe.....	Jan. '45	60	27.5	130	0.0
Timmins.....	Jan. '45	25	10,213.7	39,663	6.8
Webbwood.....	Dec. '52	60	84.0	331	13.2
West Ferris Twp.....	Apr. '54	60	1,411.6	4,312	...

\* Includes former Cottage Cove Townsite

## APPENDIX II—FINANCIAL

THE financial statements of the Commission are presented with relation first to the Southern Ontario System and second to the Northern Ontario Properties. The Southern Ontario System is operated by the Commission on behalf of the 318 co-operating municipalities in the system and of that part of the rural power district associated with the system. The Northern Ontario Properties, including the remainder of the rural power district, are held and operated by the Commission in trust for the Province of Ontario and, in part, on behalf of seven municipalities supplied with power at cost.

Section II contains separate balance sheets and operating statements for the Southern Ontario System and for the Northern Ontario Properties, and statements of the Commission's funded debt and of advances from the Province of Ontario. Other statements and schedules in support of the statements in Section II are included in this Appendix. For convenient reference, the following table indicates the order in which these statements are arranged.

Table of Financial Statements

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**Matured or Prepaid Sinking Fund**

In accordance with the requirements of The Power Commission Act, the Commission provides for the repayment of moneys used to finance the cost of fixed assets by setting up a sinking fund reserve. This reserve is established on the annuity method with interest at 4 per cent per annum.

In the Southern Ontario System all annuity provisions have been made on terms of forty years. In the Northern Ontario Properties during the early years of operations, certain sinking fund provisions were made on the forty-year basis; others have been on shorter-term bases. Since 1949, however, all sinking fund provisions in the Northern Ontario Properties have been made, as in the Southern Ontario System, on forty-year terms.

The annual provision for the reserve, including interest, is charged in the cost of power to all customers. Since the reserve is specifically for the liquidation of indebtedness, it creates an annually increasing equity in the systems acquired, in the Southern Ontario System, by the cost-contract municipalities and the rural power district, and, in the Northern Ontario Properties, by the cost-contract municipalities and by the Province of Ontario. The individual equities of customers are measured by the contributions made to sinking fund reserve with respect to such power facilities as are required to supply each customer. These equities are shown in the tables beginning on pages 320 and 336.

Two significant changes have been made this year in the presentation of these statements of sinking fund equity. In the first place, recognition is given to the fact that certain sinking fund provisions or payments have matured. In the second place, the statement shows any transfer in equity resulting when the ownership of fixed assets changes on the occasion of annexation of rural facilities by municipalities. The adjustments shown with respect to annexations relate to 1954 and prior years, with appropriate allowance for interest to December 31, 1954.

Reduced to their simplest terms, the necessary adjustments with respect to matured sinking fund are made in the following way. The total annual provision and interest for sinking fund is calculated as usual and assessed to all customers in accordance with their use of facilities. A customer who has acquired a matured or paid-up equity is then relieved of the assessment applicable to the matured amount.

In the Northern Ontario Properties there are as yet no matured sinking funds on the forty-year basis. However, because of the shorter terms used prior to 1949, certain sinking fund provisions are actually prepaid. This form of sinking fund relief, like the allowance for matured sinking fund in the Southern Ontario System, is being credited to the cost of power over a forty-year period.

In the statements both for the Southern Ontario System and for the Northern Ontario Properties, the column "Net provision and interest credited" represents the increase in the equity during 1954 after the above adjustments have been made.

**Statements of Fixed Assets, and Reserves**

There has been a change too in the presentation of other statements in this appendix. The statement formerly showing changes in fixed assets during the year has been incorporated this year in the Statement of Fixed Assets. The latter in its new form gives more prominence to the in-service aspect of assets. Beginning with the value of assets in service at January 1, 1954, it shows the additions and removals during the year and the balance in service at December 31. This last total, supplemented by the value of assets under construction, is the total fixed assets at the end of the year. The expenditures during the year include both the amount spent on new equipment placed in service and the amount of the increase in work under construction at the year end over that under construction in 1953. Certain consolidations have also been made in the statements of reserves. Three statements of reserves for the Southern Ontario System formerly designated Contingencies and Obsolescence, Stabilization of Rates, and Rural Power District Rates Suspense are now shown in one statement, Reserve for Stabilization of Rates, and Contingencies. In the Northern Ontario Properties a similar consolidation of reserves for contingencies and stabilization of rates has been made.

SOUTHERN ONTARIO

FIXED

Statement Showing Changes During

Property	Balance in service at January 1, 1954	Changes during	
		Placed in service	Equipment relocated and reclassified
<b>Power System</b>	\$	\$	\$
GENERATING STATIONS			
NIAGARA DIVISION			
Niagara River			
Sir Adam Beck-Niagara No. 1 . . . .	76,654,892	66,364	...
Sir Adam Beck-Niagara No. 2 . . . .		157,043,624	...
Ontario Power . . . . .	21,776,843	43,963	...
Toronto Power . . . . .	11,455,734	...	...
Welland Canal			
DeCew Falls . . . . .	26,335,011	1,062,029	5,890
Ottawa River			
Des Joachims . . . . .	72,547,543	539,236	155,920
Otto Holden . . . . .	57,405,307	207,394	30,448
Chenault . . . . .	29,291,439	56,734	167,767
Chats Falls . . . . .	7,433,102	2,330,642	...
Ogoki Diversion . . . . .	5,044,689	...	...
Fuel-electric generating stations			
J. Clark Keith . . . . .	43,750,475	2,282,287	413,841
Richard L. Hearn . . . . .	46,824,265	446,280	...
Other steam-electric . . . . .	6,722,743	947	5,685
St. Lawrence River			
St. Lawrence Power Project . . . . .			...
Other properties . . . . .	1,312,143	786,243	...
Total Niagara Division . . . . .	406,554,186	164,865,743	59,911
GEORGIAN BAY DIVISION			
Beaver River			
Eugenia . . . . .	1,313,328	...	...
Other properties . . . . .	5,430,469	28,019	48,323
Total Georgian Bay Division . . . . .	6,743,797	28,019	48,323
EASTERN ONTARIO DIVISION			
Madawaska River			
Stewartville . . . . .	11,813,759	6,721	43,270
Barrett Chute . . . . .	4,710,591	36	...
Other properties . . . . .	12,463,673	260,674	7,748
Total Eastern Ontario Division . . . . .	28,988,023	267,431	51,018
	442,286,006	165,161,193	159,252

## SYSTEM

## ASSETS

## Year 1954 and Balances at December 31, 1954

year					
	Sales and retirements	Balance in service at December 31, 1954	Under construction at December 31, 1954	Total fixed assets at December 31, 1954	Expenditures during 1954
	\$	\$	\$	\$	\$
	2,700	76,718,556	123,061	76,841,617	179,481
	...	157,043,624	89,350,899	246,394,523	55,043,211
	18,250	21,802,556	...	21,802,556	43,963
	...	11,455,734	...	11,455,734	...
	435,916 (Note 1)	26,967,014	119,934	27,086,948	680,386
	3,474	72,927,385	3,332	72,930,717	268,247
	...	57,582,253	...	57,582,253	207,394
	...	29,180,406	...	29,180,406	56,734
	1,130,276 (Note 1)	8,633,468	241	8,633,709	1,827,513
	...	5,044,689	...	5,044,689	...
	...	46,446,603	15,564	46,462,167	2,297,851
	...	47,270,545	276,781	47,547,326	723,061
	6,466,115 (Note 2)	251,890	...	251,890	947
	...	...	6,219,957	6,219,957	6,219,957
	...	2,098,386	36,216	2,134,602	36,216
	8,056,731	563,423,109	96,145,985	659,569,094	67,584,961
	...	1,313,328	1,834	1,315,162	1,431
	3,668	5,503,143	2,658	5,505,801	27,015
	3,668	6,816,471	4,492	6,820,963	28,446
	150	11,863,600	44,429	11,908,029	50,465
	...	4,710,627	6,765	4,717,392	6,544
	8,920	12,723,175	71,778	12,794,953	89,159
	9,070	29,297,402	122,972	29,420,374	146,168
	8,069,469	599,536,982	96,273,449	695,810,431	67,759,575

NOTES: (1) The retirements at DeCew Falls and Chats Falls Generating Stations are largely the cost of the portion of the generating equipment withdrawn from service on conversion from 25-cycle to 60-cycle generation.

(2) The other steam-electric generating units, which were fully depreciated in prior years, were withdrawn from service during the year and the cost of the units was charged to the accumulated depreciation account.

SOUTHERN ONTARIO

FIXED

Statement Showing Changes During

Property	Balance in service at January 1, 1954	Changes during	
		Placed in service	Equipment relocated and reclassified
	\$	\$	\$
<b>Power System—(continued)</b>			
TRANSFORMER STATIONS			
Niagara Division.....	146,662,035	13,619,681	847,603
Georgian Bay Division.....	6,560,231	1,297,681	142,117
Eastern Ontario Division.....	17,248,343	2,711,608	17,877
	170,470,609	17,628,970	723,363
TRANSMISSION LINES			
Niagara Division.....	113,760,917	5,287,437	37,125
Georgian Bay Division.....	6,271,695	1,224,550	7,854
Eastern Ontario Division.....	18,668,309	3,291,896	43,641
	138,700,921	9,803,883	1,338
LOCAL SYSTEMS			
Niagara Division.....	115,746	796	...
Georgian Bay Division.....	319,081	16,393	13,848
Eastern Ontario Division.....	393,157	69,195	8,932
	827,984	86,384	4,916
COMMUNICATIONS			
Southern Ontario System.....	10,403,300	966,733	478,387
Total power system.....	762,688,820	193,647,163	91,978
<b>Administrative and Service Buildings and Equipment</b>			
BUILDINGS			
Administrative			
Head Office.....	4,420,438	3,531,400	...
Regions.....	306,994	...	...
Service			
Head Office.....	7,727,553	384,732	...
Regions.....	853,570	452,851	36,956
Total buildings.....	13,308,555	4,368,983	36,956

## SYSTEM

## ASSETS

## Year 1954 and Balances at December 31, 1954

year	Balance in service at December 31, 1954	Under construction at December 31, 1954	Total fixed assets at December 31, 1954	Expenditures during 1954
Sales and retirements				
\$	\$	\$	\$	\$
2,952,168	156,481,945	3,644,456	160,126,401	10,050,348
407,435	7,592,594	138,130	7,730,724	864,968
683,979	19,258,095	393,317	19,651,412	1,792,294
4,043,582	183,332,634	4,175,903	187,508,537	12,707,610
456,268	118,554,961	11,504,013	130,058,974	6,568,185
95,457	7,392,934	72,267	7,465,201	816,535
76,085	21,927,761	71,207	21,998,968	1,968,655
627,810	147,875,656	11,647,487	159,523,143	9,353,375
545	115,997	7,986	123,983	2,490
124,548	197,078	16,248	213,326	28,220
267,515	203,769	149,542	353,311	131,607
392,608	516,844	173,776	690,620	162,317
124,272	11,724,148	62,269	11,786,417	1,023,209
13,257,741	942,986,264	112,332,884	1,055,319,148	91,006,086
10,000	7,941,838	153,892	8,095,730	1,433,260
...	306,994	122,564	429,558	122,564
46,425	8,065,860	203,227	8,269,087	86,219
34,458	1,308,919	376,343	1,685,262	538,767
90,883	17,623,611	856,026	18,479,637	2,180,810

SOUTHERN ONTARIO

FIXED

Statement Showing Changes During

Property	Balance in service at January 1, 1954	Changes during	
		Placed in service	Equipment relocated and reclassified
	\$	\$	\$
OFFICE AND SERVICE EQUIPMENT			
Office			
Head Office.....	1,185,678	197,121	...
Regions.....	859,777	89,727	4,785
Service			
Head Office.....	1,845,498	191,386	...
Regions.....	786,472	74,824	...
Total office and service equipment	4,677,425	553,058	4,785
Total administrative and service build- ings and equipment.....	17,985,980	4,922,041	41,741
Rural Power District.....	137,361,071	16,990,941	50,237
Total fixed assets.....	918,035,871	215,560,145	...

Changes in Assets under Construction during 1954

Under construction at January 1, 1954.....	\$ 222,942,016
Expended during 1954.....	111,278,606
	\$ 334,220,622
Less—Placed in service during 1954.....	215,560,145
Under construction at December 31, 1954.....	\$ 118,660,477

## SYSTEM

### ASSETS

#### Year 1954 and Balances at December 31, 1954

year	Balance in service at December 31, 1954	Under construction at December 31, 1954	Total fixed assets at December 31, 1954	Expenditures during 1954
Sales and retirements				
\$	\$	\$	\$	\$
44,446	1,338,353	...	1,338,353	197,121
...	954,289	...	954,289	89,727
4,921	2,031,963	...	2,031,963	191,386
...	861,296	...	861,296	74,824
49,367	5,185,901	...	5,185,901	553,058
140,250	22,809,512	856,026	23,665,538	2,733,868
4,140,937	150,261,312	5,471,567	155,732,879	17,538,652
17,538,928	1,116,057,088	118,660,477	1,234,717,565	111,278,606

#### Summary of Sales and Retirements during 1954

Charged to reserve for stabilization of rates and contingencies.....	\$ 52,786
Charged to operations.....	258,525
Charged to accumulated depreciation.....	14,826,288
Proceeds from sales.....	2,401,329
	<u>\$ 17,538,928</u>

#### FREQUENCY STANDARDIZATION ACCOUNT—December 31, 1954

Balance at debit at January 1, 1954.....	\$45,296,751.81
Expenditures for frequency standardization work completed during year.....	\$45,210,007.94
Less industrial customers' contributions.....	3,262,602.59
	<u>\$41,947,405.35</u>
Less portion of cost charged to cost of power for the year.....	7,175,493.50
	<u>34,771,911.85</u>
Balance at debit at December 31, 1954.....	<u>\$80,068,663.66</u>

**SOUTHERN ONTARIO**  
**STATEMENTS OF RESERVES—**

**Accumulated Depreciation**

	Power system	Rural power district	Administrative and service buildings and equipment	Total
	\$	\$	\$	\$
Balance at January 1, 1954...	108,574,746.70	15,384,547.35	2,786,169.33	126,745,463.38
Adjustments on January 1, 1954 (see note):—				
Transfer to reserve for stabili- zation of rates and con- tingencies.....	7,021,373.13			7,021,373.13
Transfer from rural power district—rates suspense...		2,800,000.00		2,800,000.00
Adjusted balance at January 1, 1954.....	101,553,373.57	18,184,547.35	2,786,169.33	122,524,090.25
Interest at 3% per annum on accumulated depreciation re- quired on plant in service not fully depreciated.....	2,454,622.00	742,368.00	22,769.00	3,219,759.00
Provision in the year				
—direct.....	8,124,701.35	2,894,458.86		11,019,160.21
—indirect.....			564,458.87	564,458.87
Transfer from reserve for stabilization of rates and contingencies held for rural power district (see note).....		5,646,035.00		5,646,035.00
Adjustments re transfer of equipment.....	53,255.00	44,864.00	13,244.00	4,853.00
	112,079,441.92	27,512,273.21	3,386,641.20	142,978,356.33
Deduct:				
Cost of fixed assets retired less proceeds from sales...	11,579,108.09	3,187,812.98	59,367.01	14,826,288.08
Removal costs of assets retired less salvage re- coveries.....	121,990.16	61,238.54	3,937.17	64,688.79
Balance at December 31, 1954.	100,378,343.67	24,385,698.77	3,323,337.02	128,087,379.46

NOTE: Following engineering studies, revisions were made during the year in the estimated asset service lives used for purposes of determining the depreciation rates applied. Revised depreciation rates, based on the revised asset service lives and interest improvement at 3% per annum (rather than 4% as in prior years), were made effective on January 1, 1954.

The transfers between reserves were made as a result of a computation of the accumulated depreciation required on assets in service based on the revised depreciation rates. After making these transfers the balance in the account at December 31, 1954 was in the aggregate \$2,740,000 in excess of estimated requirements, consisting of an excess of \$3,782,000 in the account relating to the power system and the administrative and service buildings and equipment, and a deficiency of \$1,042,000 in the account relating to the assets of the rural power district. The surplus in the account is available to meet any future revisions of asset service lives should experience indicate that such revisions are necessary.

## SYSTEM

December, 31, 1954

## Stabilization of Rates and Contingencies

	General reserve		Special reserve for maximum cost of power	Rural power district rates suspense	Total
	Power system	Rural power district			
Balances at January 1, 1954 (Note 1).....	\$ 60,640,668.95	\$ 4,010,094.05	\$ 461,031.80	\$ 2,801,582.02	\$ 67,913,376.82
Adjustments at January 1, 1954:—					
Transfer from accumulated depreciation, power system	7,021,373.13	...	...	...	7,021,373.13
Transfer to accumulated depreciation, rural power district.....	...	...	...	2,800,000.00	2,800,000.00
Adjusted balances at January 1, 1954.....	67,662,042.08	4,010,094.05	461,031.80	1,582.02	72,134,749.95
Interest at 4% per annum on reserve balances.....	2,706,481.70	160,403.76	18,441.27	63.29	2,885,390.02
Provision in the year.....	2,689,049.49	2,064,962.48	...	...	4,754,011.97
Excess of revenue from sale of power in the year.....	...	...	...	17,167.46	17,167.46
	73,057,573.27	6,235,460.29	479,473.07	18,812.77	79,791,319.40
Deduct:					
Withdrawals in year applied in reduction of cost of power.....	901,173.20	...	18,441.27	...	919,614.47
Transfer to accumulated depreciation, rural power district.....	...	5,646,035.00	...	...	5,646,035.00
Contingencies met with during year (Note 2).....	1,655,168.08	...	...	...	1,655,168.08
Balances at December 31, 1954 (Note 3).....	70,501,231.99	589,425.29	461,031.80	18,812.77	71,570,501.85

NOTES: (1) The separate reserves for stabilization of rates, power system \$24,090,118.46, and for contingencies and obsolescence, power system \$36,550,550.49, at December 31, 1953 were merged on January 1, 1954 in accordance with the provisions of Section 8 of The Power Commission Amendment Act 1955. The reserve for maximum power cost, \$461,031.80, was previously included with miscellaneous reserves.

(2) The contingencies met with during the year consisted of the cost of repairing the damage caused by fire at the Chats Falls Generating Station \$1,147,668 and the uninsured portion of the explosion loss at the Richard L. Hearn Generating Station estimated at \$507,500.

(3) The balance of the general reserve, power system at December 31, 1954 includes special accounts of \$339,249 and \$943,992 pertaining to the municipalities of the Georgian Bay and Eastern Ontario Divisions respectively.

## Sinking Fund

	Power system and rural power district	Administrative and service buildings and equipment	Total
Balances at January 1, 1954.....	\$ 157,154,393.90	\$ 1,909,485.12	\$ 159,063,879.02
Add:			
Interest at 4% per annum on reserve balance	6,286,175.75	76,379.40	6,362,555.15
Provision in the year—direct.....	9,512,427.88	...	9,512,427.88
—indirect.....	...	155,377.92	155,377.92
	172,952,997.53	2,141,242.44	175,094,239.97
Deduct credits resulting from matured sinking funds (see note):			
Interest.....	70,667.77	...	70,667.77
Principal.....	18,603.29	...	18,603.29
	89,271.06	...	89,271.06
Balances at December 31, 1954.....	172,863,726.47	2,141,242.44	175,004,968.91

NOTE: The matured sinking funds at January 1, 1954 amounted to \$773,035. The credit resulting from matured sinking funds in 1954 includes allowances in respect of 1952 and 1953 which had not been made in view of their relatively small amount.

## Exchange Discount and Premium on Funded Debt

	Discount	Premium
Exchange discount and premium on funded debt issued in United States funds:		
Balances at January 1, 1954 (\$2,884,917.10 net).....	\$ 2,120,339.33	\$ 5,005,256.43
Discount on bonds issued during 1954:		
March 15, 1954 issue of \$50,000,000.....	1,206,115.14	...
Adjustment of discount on November 1, 1953 issue.....	527.15	...
Balances at December 31, 1954.....	\$ 3,326,981.62	\$ 5,005,256.43

## **SOUTHERN ONTARIO SYSTEM**

**Cost of Power, Amount Billed at Interim Rates, and Balance Credited  
or Charged to Municipalities for the Year Ended**

**December 31, 1954**

## SOUTHERN ONTARIO

## STATEMENT OF THE

For the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standard- ization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Acton.....	2,585.4	11,689.3	101,490.27	12,927.00	2,585.40
Ailsa Craig.....	209.0	851.0	8,957.41	1,045.00	209.00
Alexandria.....	928.2	4,025.1	36,773.14	...	928.20
Alliston.....	947.1	5,217.6	40,403.75	...	947.10
Almonte.....	792.1	1,859.8	27,922.18	...	792.10
Alvinston.....	190.7	707.3	8,127.23	953.50	190.70
Amherstburg.....	1,902.3	10,137.7	84,448.82	9,511.50	1,902.30
Ancaster Twp.....	1,183.1	5,706.8	41,053.25	5,915.50	1,183.10
Apple Hill.....	61.1	245.2	2,332.45	...	61.10
Arkona.....	208.5	765.6	8,492.44	1,042.50	208.50
Arnprior.....	2,731.3	11,759.4	113,682.17	...	2,731.30
Arthur.....	431.3	1,918.4	17,886.62	...	431.30
Athens.....	232.7	1,028.2	8,724.78	...	232.70
Aurora.....	2,349.2	12,906.4	82,890.86	11,746.00	2,349.20
Aylmer.....	2,255.7	11,335.2	92,533.73	11,278.50	2,255.70
Ayr.....	451.9	1,767.2	16,893.28	2,259.50	451.90
Baden.....	351.5	1,406.5	12,513.03	1,757.50	351.50
Bancroft.....	251.0	1,009.4	12,900.50	...	251.00
Barrie.....	8,472.9	45,012.2	273,103.63	...	8,472.90
Barry's Bay.....	179.5	745.0	8,289.64	...	179.50
Bath.....	142.6	601.0	5,524.00	...	142.60
Beachville.....	1,132.4	6,070.4	42,759.69	5,662.00	1,132.40
Beamsville.....	982.6	5,131.2	37,770.40	4,913.00	982.60
Beaverton.....	547.7	2,324.7	23,828.46	...	547.70
Beeton.....	253.1	1,127.3	11,355.20	...	253.10
Belle River.....	440.3	2,087.5	19,547.38	2,201.50	440.30
Belleville.....	12,434.3	65,616.2	411,117.57	...	12,434.30
Blenheim.....	962.1	4,533.4	40,789.10	4,810.50	962.10
Bloomfield.....	268.3	1,098.9	11,638.56	...	268.30
Blyth.....	374.1	1,615.6	15,427.28	1,870.50	374.10
Bobcaygeon.....	392.8	1,616.6	14,752.33	...	392.80
Bolton.....	464.5	2,109.6	18,463.85	2,322.50	464.50
Bothwell.....	269.5	1,084.8	11,963.56	1,347.50	269.50
Bowmanville.....	4,342.1	20,176.8	154,587.80	...	4,342.10
Bradford.....	892.5	4,606.7	34,037.08	...	892.50
Braeside.....	216.5	690.2	8,568.90	...	216.50
Brampton.....	6,127.2	29,559.0	206,334.82	30,636.00	6,127.20
Brantford.....	26,791.5	132,630.2	846,164.75	133,957.50	26,791.50
Brantford Twp.....	5,217.2	25,761.9	167,711.80	26,086.00	5,217.20
Brechin.....	82.6	292.6	3,339.70	...	82.60

## SYSTEM

## COST OF POWER

Ended December 31, 1954

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance credited or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
...	803.90	116,198.77	115,051.79	1,146.98	44.50	44.94
...	64.99	10,146.42	10,911.54	765.12	52.20	48.55
1,856.40	288.61	35,556.33	38,982.30	3,425.97	42.00	38.31
1,894.20	294.49	39,162.16	39,776.10	613.94	42.00	41.35
1,584.20	246.30	26,883.78	27,326.00	442.22	34.50	33.94
...	59.30	9,212.13	9,955.84	743.71	52.20	48.31
...	591.50	95,271.12	98,921.33	3,650.21	52.00	50.09
...	367.87	47,783.98	50,282.10	2,498.12	42.50	40.39
122.20	19.00	2,252.35	2,535.28	282.93	41.50	36.86
...	64.83	9,678.61	10,424.17	745.56	50.00	46.42
5,462.60	849.27	110,101.60	111,300.12	1,198.52	40.75	40.31
862.60	134.11	17,321.21	17,468.98	147.77	40.50	40.16
465.40	72.36	8,419.72	9,191.30	771.58	39.50	36.18
...	730.46	96,255.60	98,665.00	2,409.40	42.00	40.97
...	701.39	105,366.54	107,145.75	1,779.21	47.50	46.71
...	140.51	19,464.17	20,109.54	645.37	44.50	43.07
...	109.30	14,512.73	14,940.52	427.79	42.50	41.29
502.00	78.05	12,571.45	13,103.92	532.47	52.20	50.09
16,945.80	2,634.56	261,996.17	300,789.13	38,792.96	35.50	30.92
359.00	55.81	8,054.33	8,434.93	380.60	47.00	44.87
285.20	44.34	5,337.06	5,526.37	189.31	38.75	37.43
...	352.11	49,201.98	52,373.49	3,171.51	46.25	43.45
...	305.53	43,360.47	42,497.43	863.04	43.25	44.13
1,095.40	170.30	23,110.46	23,412.04	301.58	42.75	42.20
506.20	78.70	11,023.40	11,958.59	935.19	47.25	43.55
...	136.91	22,052.27	22,982.77	930.50	52.20	50.09
24,868.60	3,866.31	394,816.96	438,307.61	43,490.65	35.25	31.75
...	299.15	46,262.55	46,422.53	159.98	48.25	48.08
536.60	83.43	11,286.83	11,603.98	317.15	43.25	42.07
...	116.32	17,555.56	17,771.32	215.76	47.50	46.93
785.60	122.14	14,237.39	15,418.04	1,180.65	39.25	36.25
...	144.43	21,106.42	21,484.66	378.24	46.25	45.44
...	83.80	13,496.76	14,070.09	573.33	52.20	50.09
8,684.20	1,350.13	148,895.57	166,085.64	17,190.07	38.25	34.29
1,785.00	277.51	32,867.07	35,700.32	2,833.25	40.00	36.83
433.00	67.32	8,285.08	8,280.47	4.61	38.25	38.27
...	1,905.19	241,192.83	255,808.50	14,615.67	41.75	39.36
...	8,330.53	998,583.22	1,091,751.92	93,168.70	40.75	37.27
...	1,622.23	197,392.77	207,384.03	9,991.26	39.75	37.84
165.20	25.68	3,231.42	3,364.22	132.80	40.75	39.12

## SOUTHERN ONTARIO

## STATEMENT OF THE

For the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standard- ization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Bridgeport .....	494.6	2,232.7	17,397.52	2,473.00	494.60
Brigden .....	146.3	589.2	6,254.25	731.50	146.30
Brighton .....	844.3	4,083.4	32,939.88	....	844.30
Brockville .....	9,034.4	45,138.6	285,440.87	....	9,034.40
Bronte .....	581.9	2,917.1	21,066.95	2,909.50	581.90
Brussels .....	416.4	1,865.1	17,642.01	2,082.00	416.40
Burford .....	491.7	2,033.9	18,027.24	2,458.50	491.70
Burgessville .....	131.8	440.2	4,865.69	659.00	131.80
Burk's Falls .....	254.9	1,040.0	12,717.41	....	254.90
Burlington .....	3,815.5	20,054.2	135,898.83	19,077.50	3,815.50
Caledonia .....	661.8	3,271.2	23,684.19	3,309.00	661.80
Campbellville .....	106.3	408.6	4,052.09	531.50	106.30
Cannington .....	427.9	1,773.3	19,321.09	....	427.90
Cardinal .....	637.3	2,635.1	24,931.68	....	637.30
Carleton Place .....	2,512.1	11,548.8	97,016.81	....	2,512.10
Casselman .....	269.7	1,104.0	11,004.58	....	269.70
Cayuga .....	247.2	1,160.5	9,237.95	1,236.00	247.20
Chatham .....	11,797.3	58,114.5	415,766.11	58,986.50	11,797.30
Chatsworth .....	193.6	774.5	8,304.00	....	193.60
Chesley .....	975.3	3,743.3	37,596.54	....	975.30
Chesterville .....	763.0	3,496.7	31,260.91	....	763.00
Chippawa .....	629.9	3,251.2	18,939.29	3,149.50	629.90
Clifford .....	230.7	1,076.0	9,358.71	1,153.50	230.70
Clinton .....	1,474.2	7,682.1	56,580.76	7,371.00	1,474.20
Cobden .....	379.7	1,617.2	12,390.22	....	379.70
Cobourg .....	5,296.6	26,002.0	227,489.07	....	5,296.60
Colborne .....	516.6	2,571.2	21,723.06	....	516.60
Coldwater .....	270.7	1,218.4	11,297.50	....	270.70
Collingwood .....	4,137.6	18,189.9	162,101.00	....	4,137.60
Comber .....	218.9	818.8	9,718.88	1,094.50	218.90
Cookstown .....	201.4	824.8	8,659.20	....	201.40
Cottam .....	163.8	684.4	6,725.14	819.00	163.80
Courtright .....	110.5	482.9	4,568.83	552.50	110.50
Creemore .....	312.4	1,347.8	12,763.53	....	312.40
Dashwood .....	194.3	655.2	8,403.22	971.50	194.30
Delaware .....	162.4	603.0	6,317.00	812.00	162.40
Delhi .....	1,264.4	5,673.6	48,136.95	6,322.00	1,264.40
Deseronto .....	618.4	2,924.8	25,350.30	....	618.40
Dorchester .....	230.5	1,015.2	9,116.20	1,152.50	230.50
Drayton .....	244.1	929.1	9,348.70	1,220.50	244.10

# SYSTEM

## COST OF POWER

Ended December 31, 1954

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance credited or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
...	153.79	20,211.33	20,524.86	313.53	41.50	40.86
...	45.49	7,086.56	7,461.72	375.16	51.00	48.44
1,688.60	262.53	31,833.05	35,247.77	3,414.72	41.75	37.70
18,068.80	2,809.15	273,597.32	356,859.79	83,262.47	39.50	30.28
...	180.93	24,377.42	25,021.69	644.27	43.00	41.89
...	129.48	20,010.93	20,297.04	286.11	48.75	48.06
...	152.89	20,824.55	21,144.54	319.99	43.00	42.35
...	40.98	5,615.51	5,829.94	214.43	44.25	42.61
509.80	79.26	12,383.25	12,615.48	232.23	49.50	48.58
...	1,186.39	157,605.44	161,205.20	3,599.76	42.25	41.31
...	205.78	27,449.21	28,951.55	1,502.34	43.75	41.48
...	33.05	4,656.84	4,891.34	234.50	46.00	43.81
855.80	133.05	18,760.14	18,718.43	41.71	43.75	43.84
1,274.60	198.16	24,096.22	25,810.65	1,714.43	40.50	37.81
5,024.20	781.11	93,723.60	96,714.58	2,990.98	38.50	37.31
...	83.86	10,651.02	11,328.10	677.08	42.00	39.49
...	76.86	10,644.29	11,371.98	727.69	46.00	43.06
...	3,668.24	482,881.67	510,233.92	27,352.25	43.25	40.93
387.20	60.20	8,050.20	8,808.79	758.59	45.50	41.58
1,950.60	303.26	36,317.98	39,254.14	2,936.16	40.25	37.24
...	237.25	30,260.66	29,949.05	311.61	39.25	39.66
...	195.86	22,522.83	25,824.87	3,302.04	41.00	35.76
...	71.73	10,671.18	11,186.91	515.73	48.50	46.26
...	458.39	64,967.57	64,129.15	838.42	43.50	44.07
759.40	118.06	11,892.46	11,865.11	27.35	31.25	31.32
10,593.20	1,646.92	220,545.55	235,698.67	15,153.12	44.50	41.64
1,033.20	160.63	21,045.83	22,085.02	1,039.19	42.75	40.74
541.40	84.17	10,942.63	12,655.20	1,712.57	46.75	40.42
8,275.20	1,286.54	156,676.86	164,469.92	7,793.06	39.75	37.87
...	68.06	10,964.22	11,427.87	463.65	52.20	50.09
...	62.62	8,395.18	9,212.14	816.96	45.75	41.68
...	50.93	7,657.01	8,024.15	367.14	49.00	46.75
...	34.36	5,197.47	5,332.03	134.56	48.25	47.04
624.80	97.14	12,353.99	12,965.30	611.31	41.50	39.55
...	60.42	9,508.60	9,810.89	302.29	50.50	48.94
...	50.50	7,240.90	7,591.40	350.50	46.75	44.59
...	393.15	55,330.20	55,001.40	328.80	43.50	43.76
1,236.80	192.28	24,539.62	27,984.48	3,444.86	45.25	39.68
...	71.67	10,427.53	10,831.94	404.41	47.00	45.24
...	75.90	10,737.40	11,168.33	430.93	45.75	43.99

## SOUTHERN ONTARIO

## STATEMENT OF THE

For the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standard- ization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Dresden .....	780.9	3,822.1	33,512.88	3,904.50	780.90
Drumbo .....	163.2	649.7	6,771.15	816.00	163.20
Dublin .....	104.4	488.9	4,053.88	522.00	104.40
Dundalk .....	391.9	1,506.7	17,030.28	...	391.90
Dundas .....	4,366.9	19,531.5	132,092.17	21,834.50	4,366.90
Dunnville .....	2,472.5	11,105.5	101,348.93	12,362.50	2,472.50
Durham .....	809.2	3,691.3	32,835.57	...	809.20
Dutton .....	275.8	1,224.8	12,245.22	1,379.00	275.80
East York Twp. ....	26,673.2	141,050.8	843,764.57	133,366.00	26,673.20
Eganville .....	145.1	620.2	5,424.13	...	145.10
Elmira .....	2,462.9	11,426.2	88,876.33	12,314.50	2,462.90
Elmvale .....	397.8	1,787.2	15,949.25	...	397.80
Elmwood .....	147.6	434.2	6,004.54	...	147.60
Elora .....	662.6	2,649.1	26,402.62	3,313.00	662.60
Embro .....	252.9	1,086.4	9,693.91	1,264.50	252.90
Erieau .....	253.7	1,198.4	11,262.50	1,268.50	253.70
Erie Beach .....	38.2	98.4	1,609.52	191.00	38.20
Erin .....	284.5	1,185.2	11,938.73	...	284.50
Essex .....	1,043.7	5,274.6	46,286.67	5,218.50	1,043.70
Etobicoke Twp. ....	43,756.6	252,122.4	1,452,904.90	218,783.00	43,756.60
Exeter .....	1,421.1	6,410.0	59,183.37	7,105.50	1,421.10
Fergus .....	2,335.8	9,482.4	85,143.98	11,679.00	2,335.80
Finch .....	163.7	710.6	6,273.39	...	163.70
Flesherton .....	280.7	870.4	10,109.78	...	280.70
Fonthill .....	687.8	3,494.4	24,332.67	3,439.00	687.80
Forest .....	842.3	4,525.6	37,392.96	4,211.50	842.30
Forest Hill .....	9,948.9	54,067.9	315,776.35	49,744.50	9,948.90
Frankford .....	416.3	1,834.1	15,184.86	...	416.30
Galt .....	16,707.7	72,866.4	509,242.22	83,538.50	16,707.70
Georgetown .....	3,309.0	17,322.4	126,606.67	16,545.00	3,309.00
Glencoe .....	314.7	1,389.7	13,522.91	1,573.50	314.70
Goderich .....	2,980.5	14,655.4	130,284.15	14,902.50	2,980.50
Grand Bend .....	301.9	1,219.6	13,403.10	1,509.50	301.90
Grand Valley .....	323.6	1,254.1	15,307.93	...	323.60
Granton .....	92.8	343.0	3,566.36	464.00	92.80
Gravenhurst .....	2,059.1	10,194.8	74,374.78	...	2,059.10
Grimsby .....	1,573.6	8,475.3	62,600.40	7,868.00	1,573.60
Guelph .....	19,857.5	103,406.0	626,648.84	99,287.50	19,857.50
Hagersville .....	1,537.0	5,397.2	53,944.42	7,685.00	1,537.00
Hamilton .....	200,572.7	1,159,949.7	6,334,721.82	1,002,863.50	200,572.70

## SYSTEM

## COST OF POWER

Ended December 31, 1954

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance credited or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
...	242.81	37,955.47	37,094.33	861.14	47.50	48.60
...	50.75	7,699.60	7,916.01	216.41	48.50	47.18
...	32.46	4,647.82	5,064.58	416.76	48.50	44.52
783.80	121.86	16,516.52	16,263.16	253.36	41.50	42.14
...	1,357.84	156,935.73	160,482.95	3,547.22	36.75	35.94
...	768.80	115,415.13	116,208.30	793.17	47.00	46.68
1,618.40	251.61	31,774.76	32,568.63	793.87	40.25	39.27
...	85.76	13,814.26	14,395.43	581.17	52.20	50.09
...	8,293.74	995,510.03	1,020,249.87	24,739.84	38.25	37.32
290.20	45.12	5,233.91	6,531.37	1,297.46	45.00	36.07
...	765.81	102,887.92	104,671.46	1,783.54	42.50	41.78
795.60	123.69	15,427.76	18,399.40	2,971.64	46.25	38.78
295.20	45.90	5,811.04	6,419.51	608.47	43.50	39.37
...	206.03	30,172.19	29,649.85	522.34	44.75	45.54
...	78.64	11,132.67	11,190.46	57.79	44.25	44.02
...	78.89	12,705.81	12,746.72	40.91	50.25	50.09
...	11.88	1,826.84	1,937.37	110.53	50.75	47.82
569.00	88.46	11,565.77	12,375.02	809.25	43.50	40.65
...	324.53	52,224.34	53,226.14	1,001.80	51.00	50.04
...	13,605.65	1,701,838.85	1,772,140.94	70,302.09	40.50	38.89
...	441.88	67,268.09	67,145.41	122.68	47.25	47.34
...	726.29	98,432.49	98,103.25	329.24	42.00	42.14
327.40	50.90	6,058.79	6,262.79	204.00	38.25	37.01
561.40	87.28	9,741.80	9,753.74	11.94	34.75	34.71
...	213.86	28,245.61	28,372.09	126.48	41.25	41.07
...	261.90	42,184.86	43,969.37	1,784.51	52.20	50.09
...	3,093.50	372,376.25	385,518.57	13,142.32	38.75	37.43
832.60	129.44	14,639.12	13,424.62	1,214.50	32.25	35.16
...	5,195.08	604,293.34	622,363.37	18,070.03	37.25	36.17
...	1,028.90	145,431.77	149,733.75	4,301.98	45.25	43.95
...	97.85	15,313.26	15,342.42	29.16	48.75	48.66
...	926.75	147,240.40	145,297.32	1,943.08	48.75	49.40
...	93.87	15,120.63	15,761.36	640.73	52.20	50.09
647.20	100.62	14,883.71	16,341.37	1,457.66	50.50	45.99
...	28.86	4,094.30	4,336.83	242.53	46.75	44.12
4,118.20	640.26	71,675.42	78,247.07	6,571.65	38.00	34.81
...	489.29	71,552.71	72,780.52	1,227.81	46.25	45.47
...	6,174.48	739,619.36	759,549.36	19,930.00	38.25	37.25
...	477.91	62,688.51	63,783.75	1,095.24	41.50	40.79
...	62,365.93	7,475,792.09	7,772,192.06	296,399.97	38.75	37.27

SOUTHERN ONTARIO

STATEMENT OF THE

For the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standard- ization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Hanover.....	2,612.4	10,610.2	92,735.01	...	2,612.40
Harriston.....	946.9	4,254.4	36,407.68	4,734.50	946.90
Harrow.....	882.1	3,764.5	37,841.39	4,410.50	882.10
Hastings.....	243.5	1,126.8	10,605.54	...	243.50
Havelock.....	288.4	1,334.0	12,817.41	...	288.40
Hawkesbury.....	400.6	2,180.1	12,071.23	...	400.60
Hensall.....	506.3	2,064.0	20,062.37	2,531.50	506.30
Hespeler.....	4,568.8	20,166.8	145,831.24	22,844.00	4,568.80
Highgate.....	141.4	470.6	6,277.18	707.00	141.40
Holstein.....	75.8	318.0	3,157.23	...	75.80
Huntsville.....	1,927.3	10,512.0	82,822.49	...	1,927.30
Ingersoll.....	3,974.0	17,952.7	142,432.31	19,870.00	3,974.00
Iroquois.....	491.3	2,338.4	21,240.86	...	491.30
Jarvis.....	239.3	1,119.8	9,419.46	1,196.50	239.30
Kemptville.....	1,018.1	4,391.5	39,805.14	...	1,018.10
Kincardine.....	1,320.1	6,732.0	62,237.21	...	1,320.10
Kingston.....	26,561.3	141,683.8	851,744.27	...	26,561.30
Kingsville.....	1,255.6	6,172.0	49,821.16	6,278.00	1,255.60
Kirkfield.....	60.9	214.0	2,599.83	...	60.90
Kitchener.....	43,612.6	217,915.7	1,361,735.04	218,063.00	43,612.60
Lakefield.....	1,211.1	6,636.8	31,823.39	...	1,211.10
Lambeth.....	593.1	2,490.4	21,532.21	2,965.50	593.10
Lanark.....	206.1	869.8	8,100.53	...	206.10
Lancaster.....	139.7	596.6	5,278.80	...	139.70
La Salle.....	726.2	3,346.1	30,294.99	3,631.00	726.20
Leamington.....	3,643.2	18,537.3	150,877.30	18,216.00	3,643.20
Lindsay.....	5,623.5	28,341.6	216,959.53	...	5,623.50
Listowel.....	2,066.1	9,020.9	77,325.26	10,330.50	2,066.10
London.....	50,622.5	287,215.4	1,718,838.48	253,112.50	50,622.50
London Twp.....	1,214.9	5,306.3	43,276.22	6,074.50	1,214.90
Long Branch.....	4,359.5	23,085.1	145,658.15	21,797.50	4,359.50
L'Orignal.....	180.2	673.3	6,945.45	...	180.20
Lucan.....	426.7	1,969.4	18,943.26	2,133.50	426.70
Lucknow.....	526.0	2,116.4	23,653.62	...	526.00
Lynden.....	193.1	781.6	7,267.61	965.50	193.10
Madoc.....	623.0	2,613.6	26,100.05	...	623.00
Magnetawan.....	50.6	197.4	2,565.44	...	50.60
Markdale.....	406.8	1,787.2	17,059.51	...	406.80
Markham.....	962.5	4,315.8	36,764.63	4,812.50	962.50
Marmora.....	414.7	1,921.6	18,994.80	...	414.70

# SYSTEM

## COST OF POWER

Ended December 31, 1954

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance <i>credited</i> or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
5,224.80	812.30	89,310.31	96,658.50	7,348.19	37.00	34.19
...	294.43	41,794.65	43,085.45	1,290.80	45.50	44.14
...	274.28	42,859.71	43,884.87	1,025.16	49.75	48.59
487.00	75.71	10,286.33	10,533.16	246.83	43.25	42.24
576.80	89.67	12,439.34	13,192.02	752.68	45.75	43.13
801.20	124.56	11,546.07	15,023.43	3,477.36	37.50	28.82
...	157.43	22,942.74	23,288.65	345.91	46.00	45.31
...	1,420.62	171,823.42	180,466.27	8,642.85	39.50	37.61
...	43.97	7,081.61	7,379.77	298.16	52.20	50.09
151.60	23.57	3,057.86	3,279.79	221.93	43.25	40.34
3,854.60	599.27	80,295.92	82,393.85	2,097.93	42.75	41.66
...	1,235.67	165,040.64	169,888.15	4,847.51	42.75	41.53
982.60	152.76	20,596.80	20,881.31	284.51	42.50	41.92
...	74.41	10,780.85	11,487.20	706.35	48.00	45.05
2,036.20	316.57	38,470.47	39,958.46	1,487.99	39.25	37.79
2,640.20	410.47	60,506.64	58,744.43	1,762.21	44.50	45.83
53,122.60	8,258.95	816,924.02	909,725.94	92,801.92	34.25	30.76
...	390.42	56,964.34	60,580.68	3,616.34	48.25	45.37
121.80	18.94	2,519.99	2,603.12	83.13	42.75	41.38
...	13,560.87	1,609,849.77	1,689,374.30	79,524.53	39.25	36.91
2,422.20	376.58	30,235.71	41,782.09	11,546.38	34.50	24.97
...	184.42	24,906.39	26,689.87	1,783.48	45.00	41.99
412.20	64.08	7,830.35	8,141.24	310.89	39.50	37.99
279.40	43.44	5,095.66	5,900.93	805.27	42.25	36.48
...	225.80	34,426.39	37,908.49	3,482.10	52.40	47.41
...	1,132.81	171,603.69	175,782.00	4,178.31	48.25	47.10
11,247.00	1,748.57	209,587.46	237,592.86	28,005.40	42.25	37.27
...	642.43	89,079.43	96,071.71	6,992.28	46.50	43.11
...	15,740.52	2,006,832.96	2,088,178.47	81,345.51	41.25	39.64
...	377.76	50,187.86	54,365.28	4,177.42	44.75	41.31
...	1,355.54	170,459.61	175,468.53	5,008.92	40.25	39.10
360.40	56.03	6,709.22	7,298.43	589.21	40.50	37.23
...	132.68	21,370.78	20,585.86	784.92	48.25	50.09
1,052.00	163.56	22,964.06	23,011.02	46.96	43.75	43.66
...	60.04	8,366.17	8,783.77	417.60	45.50	43.33
1,246.00	193.72	25,283.33	26,479.26	1,195.93	42.50	40.58
101.20	15.73	2,499.11	2,465.94	33.17	48.75	49.39
813.60	126.49	16,526.22	17,085.60	559.38	42.00	40.62
...	299.28	42,240.35	43,312.87	1,072.52	45.00	43.89
829.40	128.95	18,451.15	19,074.67	623.52	46.00	44.49

## SOUTHERN ONTARIO

## STATEMENT OF THE

For the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standardization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Martintown.....	95.6	335.0	3,383.55	...	95.60
Maxville.....	267.7	1,034.1	11,107.36	...	267.70
Meaford.....	1,728.6	7,800.0	72,462.62	...	1,728.60
Merlin.....	184.8	771.4	7,994.73	924.00	184.80
Merrickville.....	346.7	1,562.3	10,314.14	...	346.70
Merriton.....	13,005.3	72,008.6	413,376.90	65,026.50	13,005.30
Midland.....	5,297.8	24,225.5	189,247.32	...	5,297.80
Mildmay.....	296.6	1,360.0	11,814.65	...	296.60
Millbrook.....	281.0	1,242.2	11,970.95	...	281.00
Milton.....	2,757.6	11,378.7	96,897.36	13,788.00	2,757.60
Milverton.....	747.4	2,667.2	29,644.20	3,737.00	747.40
Mimico.....	5,354.7	27,620.8	169,741.74	26,773.50	5,354.70
Mitchell.....	1,237.9	6,025.9	46,619.20	6,189.50	1,237.90
Moorefield.....	142.4	575.0	5,302.85	712.00	142.40
Morrisburg.....	767.1	4,077.0	32,485.82	...	767.10
Mount Brydges.....	204.4	882.8	8,162.26	1,022.00	204.40
Mount Forest.....	1,153'6	4,893.6	45,430.42	...	1,153.60
Napanee.....	2,442.8	11,248.3	100,632.64	...	2,442.80
Neustadt.....	185.9	726.3	6,983.48	...	185.90
Newboro.....	60.0	224.2	2,129.40	...	60.00
Newburgh.....	157.5	650.3	6,297.04	...	157.50
Newbury.....	74.2	338.8	3,294.39	371.00	74.20
Newcastle.....	574.2	2,438.0	24,443.23	...	574.20
New Hamburg.....	1,089.2	4,090.8	40,124.83	5,446.00	1,089.20
Newmarket.....	3,352.3	15,916.6	110,562.04	16,761.50	3,352.30
New Toronto.....	15,234.1	79,518.1	495,754.34	76,170.50	15,234.10
Niagara.....	1,558.2	8,314.9	46,624.67	7,791.00	1,558.20
Niagara Falls.....	14,984.1	78,173.4	437,347.11	74,920.50	14,984.10
North York Twp.....	66,840.6	353,152.5	2,150,933.82	334,203.00	66,840.60
Norwich.....	738.0	3,326.4	28,923.96	3,690.00	738.00
Norwood.....	365.8	1,735.3	16,586.24	...	365.80
Oakville.....	5,462.7	27,481.7	173,224.82	27,313.50	5,462.70
Oil Springs.....	180.8	1,067.6	8,026.04	904.00	180.80
Omeme.....	274.1	1,261.6	11,262.02	...	274.10
Orangeville.....	1,581.9	7,926.8	72,435.11	...	1,581.90
Orillia.....	2,035.8	8,381.1	78,384.38	...	2,035.80
Orono.....	270.0	1,154.8	10,573.26	...	270.00
Oshawa.....	37,496.2	194,649.3	1,288,739.62	...	37,496.20
Ottawa.....	83,758.0	411,488.0	2,445,079.66	...	83,758.00
Otterville.....	242.2	1,122.9	9,291.31	1,211.00	242.20

# SYSTEM

## COST OF POWER

Ended December 31, 1954

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance credited or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
191.20	29.73	3,258.22	3,798.76	540.54	39.75	34.08
535.40	83.24	10,756.42	11,243.40	486.98	42.00	40.18
3,457.20	537.49	70,196.53	70,440.75	244.22	40.75	40.61
...	57.46	9,046.07	9,239.99	193.92	50.00	48.95
693.40	107.80	9,859.64	10,487.66	628.02	30.25	28.44
...	4,043.86	487,364.84	513,709.33	26,344.49	39.50	37.47
10,595.60	1,647.30	182,302.22	196,019.84	13,717.62	37.00	34.41
593.20	92.22	11,425.83	12,013.66	587.83	40.50	38.52
562.00	87.37	11,602.58	13,067.66	1,465.08	46.50	41.29
...	857.45	112,585.51	115,129.81	2,544.30	41.75	40.83
...	232.40	33,896.20	35,128.20	1,232.00	47.00	45.35
...	1,664.99	200,204.95	204,818.86	4,613.91	38.25	37.39
...	384.91	53,661.69	53,537.72	123.97	43.25	43.35
...	44.28	6,112.97	6,338.29	225.32	44.50	42.93
1,534.20	238.52	31,480.20	32,027.12	546.92	41.75	41.04
...	63.56	9,325.10	9,863.09	537.99	48.25	45.62
2,307.20	358.70	43,918.12	46,719.09	2,800.97	40.50	38.07
4,885.60	759.56	97,430.28	101,377.94	3,947.66	41.50	39.88
371.80	57.80	6,739.78	7,158.43	418.65	38.50	36.25
120.00	18.66	2,050.74	2,354.67	303.93	39.25	34.18
...	48.97	6,090.57	6,496.89	406.32	41.25	38.67
...	23.07	3,716.52	3,871.05	154.53	52.20	50.09
1,148.40	178.54	23,690.49	24,545.99	855.50	42.75	41.26
...	338.68	46,321.35	47,653.24	1,331.89	43.75	42.53
...	1,042.36	129,633.48	132,413.86	2,780.38	39.50	38.67
...	4,736.88	582,422.06	613,171.86	30,749.80	40.25	38.23
...	484.51	55,489.36	59,210.01	3,720.65	38.00	35.61
...	4,659.15	522,592.56	505,713.36	16,879.20	33.75	34.88
...	20,783.37	2,531,194.05	2,656,915.51	125,721.46	39.75	37.87
...	229.47	33,122.49	34,130.95	1,008.46	46.25	44.88
...	113.74	16,106.70	16,094.46	12.24	44.00	44.03
731.60	1,698.57	204,302.45	238,993.81	34,691.36	43.75	37.40
...	56.22	9,054.62	9,436.00	381.38	52.20	50.09
548.20	85.23	10,902.69	11,580.01	677.32	42.25	39.78
3,163.80	491.87	70,361.34	69,999.81	361.53	44.25	44.48
...	633.01	75,715.57	72,271.47	3,444.10	35.50	37.19
4,071.60	83.95	10,219.31	11,337.90	1,118.59	42.00	37.85
540.00	11,659.04	1,239,584.38	1,387,357.53	147,773.15	37.00	33.06
74,992.40	26,043.65	2,335,278.01	2,596,498.00	261,219.99	31.00	27.88
167,516.00	75.31	10,669.20	11,202.91	533.71	46.25	44.05
...						

## SOUTHERN ONTARIO

## STATEMENT OF THE

For the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standard- ization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Owen Sound.....	9,318.9	42,710.9	325,320.44	...	9,318.90
Paisley.....	318.9	1,334.0	14,340.92	...	318.90
Palmerston.....	897.2	4,364.1	32,571.41	4,486.00	897.20
Paris.....	2,529.7	11,555.0	81,439.97	12,648.50	2,529.70
Parkhill.....	517.9	2,297.9	21,971.60	2,589.50	517.90
Parry Sound.....	1,140.1	4,119.8	46,339.58	...	1,140.10
Penetanguishene.....	1,764.4	8,568.8	70,076.77	...	1,764.40
Perth.....	2,793.5	11,555.2	100,364.05	...	2,793.50
Peterborough.....	26,426.4	139,083.7	906,530.49	...	26,426.40
Petrolia.....	1,076.4	5,548.6	47,792.99	5,382.00	1,076.40
Petrolia (Waterworks).....	115.9	592.4	4,835.21	579.50	115.90
Picton.....	2,542.8	12,256.5	95,830.10	...	2,542.80
Plattsville.....	419.1	1,503.2	15,392.63	2,095.50	419.10
Point Edward.....	2,668.5	9,715.2	98,253.70	13,342.50	2,668.50
Port Colborne.....	3,847.7	20,557.6	129,851.51	19,238.50	3,847.70
Port Credit.....	3,140.6	17,887.6	108,549.11	15,703.00	3,140.60
Port Dalhousie.....	1,354.7	7,340.7	47,406.66	6,773.50	1,354.70
Port Dover.....	1,102.2	5,598.8	41,565.32	5,511.00	1,102.20
Port Elgin.....	864.8	3,835.2	38,881.02	...	864.80
Port Hope.....	4,917.1	24,915.0	209,958.55	...	4,917.10
Port McNicoll.....	921.6	2,189.0	32,608.80	...	921.60
Port Perry.....	781.1	3,112.8	31,751.08	...	781.10
Port Rowan.....	196.4	811.5	8,269.14	982.00	196.40
Port Stanley.....	892.4	4,356.4	36,866.83	4,462.00	892.40
Prescott.....	2,345.4	10,494.7	85,396.96	...	2,345.40
Preston.....	6,681.7	26,382.9	200,915.81	33,408.50	6,681.70
Priceville.....	31.0	110.2	1,386.73	...	31.00
Princeton.....	172.7	743.6	6,936.56	863.50	172.70
Queenston.....	256.7	1,355.6	7,616.90	1,283.50	256.70
Renfrew.....	2,385.7	9,500.5	87,187.07	...	2,385.70
Richmond.....	257.0	1,083.2	8,456.04	...	257.00
Richmond Hill.....	1,824.7	8,745.0	66,145.80	9,123.50	1,824.70
Ridgetown.....	795.8	3,462.7	35,331.18	3,979.00	795.80
Ripley.....	194.3	807.6	8,851.97	...	194.30
Riverside.....	3,396.0	16,321.7	136,712.52	16,980.00	3,396.00
Rockland.....	334.3	1,461.4	11,247.27	...	334.30
Rockwood.....	292.6	1,309.6	11,718.63	1,463.00	292.60
Rodney.....	288.6	1,338.4	12,814.11	1,443.00	288.60
Rosseau.....	64.9	235.6	2,647.11	...	64.90
Russell.....	175.6	692.9	5,818.14	...	175.60
St. Catharines.....	34,617.0	166,633.8	1,051,874.96	173,085.00	34,617.00

# SYSTEM

## COST OF POWER

Ended December 31, 1954

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance credited or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
18,637.80	2,897.61	313,103.93	337,808.91	24,704.98	36.25	33.60
637.80	99.16	13,922.86	14,348.62	425.76	45.00	43.66
...	278.97	37,675.64	39,699.62	2,023.98	44.25	41.99
...	786.58	95,831.59	98,657.32	2,825.73	39.00	37.88
...	161.03	24,917.97	26,154.36	1,236.39	50.50	48.11
2,280.20	354.50	44,844.98	46,174.38	1,329.40	40.50	39.33
3,528.80	548.62	67,763.75	68,811.27	1,047.52	39.00	38.41
5,587.00	868.61	96,701.94	104,756.57	8,054.63	37.50	34.62
52,852.80	8,217.01	871,887.08	938,136.30	66,249.22	35.50	32.99
...	334.70	53,916.69	54,090.76	174.07	50.25	50.09
...	36.04	5,494.57	5,821.89	327.32	50.25	47.41
5,085.60	790.66	92,496.64	102,348.03	9,851.39	40.25	36.38
...	130.31	17,776.92	19,381.84	1,604.92	46.25	42.42
...	829.74	113,434.96	120,083.25	6,648.29	45.00	42.51
...	1,196.40	151,741.31	158,716.24	6,974.93	41.25	39.44
...	976.54	126,416.17	133,477.27	7,061.10	42.50	40.25
...	421.23	55,113.63	58,253.54	3,139.91	43.00	40.68
...	342.72	47,835.80	49,324.19	1,488.39	44.75	43.40
1,729.60	268.90	37,747.32	38,484.34	737.02	44.50	43.65
9,834.20	1,528.92	203,512.53	212,665.29	9,152.76	43.25	41.39
1,843.20	286.56	31,400.64	33,868.49	2,467.85	36.75	34.07
1,562.20	242.87	30,727.11	32,417.35	1,690.24	41.50	39.34
...	61.07	9,386.47	9,573.28	186.81	48.75	47.79
...	277.48	41,943.75	42,163.95	220.20	47.25	47.00
4,690.80	729.28	82,322.28	96,745.66	14,423.38	41.25	35.10
...	2,077.60	238,928.41	245,453.68	6,525.27	36.75	35.76
62.00	9.64	1,346.09	1,559.85	213.76	50.25	43.42
...	53.70	7,919.06	8,118.86	199.80	47.00	45.85
...	79.82	9,077.28	10,011.62	934.34	39.00	35.36
4,771.40	741.81	84,059.56	88,271.52	4,211.96	37.00	35.23
514.00	79.91	8,119.13	9,446.29	1,327.16	36.75	31.59
...	567.37	76,526.63	83,024.60	6,497.97	45.50	41.94
...	247.44	39,858.54	41,379.42	1,520.88	52.00	50.09
388.60	60.42	8,597.25	8,646.72	49.47	44.50	44.25
...	1,055.95	156,032.57	163,855.38	7,822.81	48.25	45.95
668.60	103.95	10,809.02	10,863.39	54.37	32.50	32.33
...	90.98	13,383.25	13,969.67	586.42	47.75	45.74
...	89.74	14,455.97	15,065.33	609.36	52.20	50.09
129.80	20.18	2,562.03	2,709.92	147.89	41.75	39.48
351.20	54.60	5,587.94	6,540.78	952.84	37.25	31.82
...	10,763.79	1,248,813.17	1,324,100.56	75,287.39	38.25	36.08

## SOUTHERN ONTARIO

## STATEMENT OF THE

For the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standardization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
St. Clair Beach.....	256.6	1,150.5	10,405.38	1,283.00	256.60
St. George.....	267.5	1,224.8	9,909.78	1,337.50	267.50
St. Jacobs.....	385.7	1,650.2	15,232.21	1,928.50	385.70
St. Mary's.....	2,452.1	11,454.5	78,429.07	12,260.50	2,452.10
St. Thomas.....	9,845.3	54,267.3	332,478.95	49,226.50	9,845.30
Sarnia.....	26,868.5	172,713.0	1,007,111.61	134,342.50	26,868.50
Scarborough Twp.....	50,916.6	274,303.5	1,669,944.16	254,583.00	50,916.60
Seaforth.....	1,312.5	5,839.0	42,838.51	6,562.50	1,312.50
Shelburne.....	594.8	2,446.4	27,870.31	...	594.80
Simcoe.....	4,249.6	20,806.6	138,254.64	21,248.00	4,249.60
Smith's Falls.....	5,572.9	24,240.3	170,924.20	...	5,572.90
Smithville.....	433.4	1,773.2	17,238.83	2,167.00	433.40
Southampton.....	818.3	3,787.7	36,674.08	...	818.30
Springfield.....	130.7	565.1	5,166.96	653.50	130.70
Stamford Twp.....	9,355.5	49,106.2	280,391.44	46,777.50	9,355.50
Stayner.....	651.7	2,910.1	26,728.69	...	651.70
Stirling.....	612.6	2,606.3	21,313.76	...	612.60
Stoney Creek.....	1,484.2	7,529.2	51,287.02	7,421.00	1,484.20
Stouffville.....	967.5	4,195.6	37,560.81	4,837.50	967.50
Stratford.....	11,325.6	56,138.5	364,175.94	56,628.00	11,325.60
Strathroy.....	2,197.9	11,042.0	75,540.67	10,989.50	2,197.90
Streetsville.....	1,276.4	6,057.8	44,111.21	6,382.00	1,276.40
Sunderland.....	255.3	1,000.8	10,758.36	...	255.30
Sundridge.....	136.5	611.4	7,015.85	...	136.50
Sutton.....	693.4	3,248.2	28,740.88	3,467.00	693.40
Swansea.....	4,173.6	22,682.9	133,823.87	20,868.00	4,173.60
Tara.....	213.3	863.6	9,594.72	...	213.30
Tavistock.....	841.6	3,560.0	31,357.51	4,208.00	841.60
Tecumseh.....	941.6	4,857.8	38,784.11	4,708.00	941.60
Teeswater.....	355.4	1,570.8	15,447.24	...	355.40
Thamesford.....	348.5	1,434.2	14,891.00	1,742.50	348.50
Thamesville.....	456.2	1,807.0	20,254.52	2,281.00	456.20
Theford.....	256.4	1,140.3	11,382.52	1,282.00	256.40
Thornbury.....	355.3	1,316.8	14,957.20	...	355.30
Thorndale.....	179.9	656.8	6,910.29	899.50	179.90
Thornton.....	83.6	283.8	2,972.58	...	83.60
Thornold.....	6,955.8	44,441.0	227,483.76	34,779.00	6,955.80
Tilbury.....	1,430.6	5,966.0	63,518.18	7,153.00	1,430.60
Tillsonburg.....	2,981.6	13,505.5	95,875.53	14,908.00	2,981.60
Toronto.....	457,442.2	2,668,387.8	14,537,253.91	2,287,211.00	457,442.20

# SYSTEM

## COST OF POWER

Ended December 31, 1954

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance <i>credited</i> or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
...	79.79	11,865.19	12,510.05	644.86	48.75	46.24
...	83.18	11,431.60	12,102.11	670.51	45.25	42.73
...	119.93	17,426.48	16,200.80	1,225.68	42.00	45.18
...	762.45	92,379.22	98,695.67	6,316.45	40.25	37.67
...	3,061.29	388,489.46	408,579.96	20,090.50	41.50	39.46
...	8,354.47	1,159,968.14	1,195,646.38	35,678.24	44.50	43.17
...	15,831.97	1,959,611.79	2,023,933.52	64,321.73	39.75	38.49
...	408.11	50,305.40	52,170.56	1,865.16	39.75	38.33
1,189.60	184.95	27,090.56	26,618.76	471.80	44.75	45.55
...	1,321.37	162,430.87	166,798.43	4,367.56	39.25	38.22
11,145.80	1,732.83	163,618.47	186,693.25	23,074.78	33.50	29.36
...	134.76	19,704.47	19,395.39	309.08	44.75	45.46
1,636.60	254.44	35,601.34	36,412.85	811.51	44.50	43.51
...	40.64	5,910.52	6,175.96	265.44	47.25	45.22
...	2,908.99	333,615.45	313,410.36	20,205.09	33.50	35.66
1,303.40	202.64	25,874.35	26,392.14	517.79	40.50	39.70
1,225.20	190.48	20,510.68	21,746.41	1,235.73	35.50	33.48
...	461.50	59,730.72	60,852.53	1,121.81	41.00	40.24
...	300.83	43,064.98	42,326.66	738.32	43.75	44.51
...	3,521.57	428,607.97	455,857.05	27,249.08	40.25	37.84
...	683.41	88,044.66	91,212.15	3,167.49	41.50	40.06
...	396.88	51,372.73	53,606.70	2,233.97	42.00	40.25
510.60	79.38	10,423.68	10,338.96	84.72	40.50	40.83
273.00	42.44	6,836.91	7,126.59	289.68	52.20	50.09
...	215.61	32,685.67	32,414.90	270.77	46.75	47.14
...	1,297.74	157,567.73	172,160.65	14,592.92	41.25	37.75
426.60	66.32	9,315.10	10,186.66	871.56	47.75	43.67
...	261.69	36,145.42	37,450.83	1,305.41	44.50	42.95
...	292.78	44,140.93	46,140.03	1,999.10	49.00	46.88
710.80	110.51	14,981.33	17,412.54	2,431.21	49.00	42.15
...	108.36	16,873.64	17,337.47	463.83	49.75	48.42
...	141.85	22,849.87	23,815.80	965.93	52.20	50.09
...	79.72	12,841.20	13,382.31	541.11	52.20	50.08
710.60	110.48	14,491.42	15,632.83	1,141.41	44.00	40.79
...	55.94	7,933.75	8,049.04	115.29	44.75	44.10
167.20	25.99	2,862.99	3,073.50	210.51	36.75	34.25
...	2,162.83	267,055.73	276,494.71	9,438.98	39.75	38.39
...	444.83	71,656.95	73,317.39	1,660.44	51.25	50.09
...	927.10	112,838.03	117,772.54	4,934.51	39.50	37.84
...	142,236.75	17,139,670.36	17,725,885.83	586,215.47	38.75	37.47

**SOUTHERN ONTARIO**  
**STATEMENT OF THE**  
**For the Year**

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standardization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Toronto Twp.....	20,278.0	120,457.5	672,895.93	101,390.00	20,278.00
Tottenham.....	244.8	1,139.9	10,469.22	...	244.80
Trafalgar Twp.....	2,882.6	14,372.6	99,837.38	14,413.00	2,882.60
Trenton.....	8,923.6	46,298.6	251,040.44	...	8,923.60
Tweed.....	688.9	3,174.6	24,670.84	...	688.90
Uxbridge.....	872.1	3,915.8	35,251.54	...	872.10
Vankleek Hill.....	255.0	1,196.4	9,087.17	...	255.00
Victoria Harbour.....	212.9	939.3	9,222.81	...	212.90
Walkerton.....	1,894.7	7,784.0	70,295.72	...	1,894.70
Wallaceburg.....	7,003.0	35,987.4	260,863.41	35,015.00	7,003.00
Wardsville.....	106.5	469.8	4,728.59	532.50	106.50
Warkworth.....	184.9	652.4	7,311.36	...	184.90
Wasaga Beach.....	494.7	1,870.4	19,954.29	...	494.70
Waterdown.....	629.5	3,031.3	22,188.04	3,147.50	629.50
Waterford.....	689.1	2,938.0	25,124.93	3,445.50	689.10
Waterloo.....	10,301.6	45,707.4	324,158.45	51,508.00	10,301.60
Watford.....	734.0	2,859.6	29,606.12	3,670.00	734.00
Waubashene.....	202.1	787.2	8,539.37	...	202.10
Welland.....	10,928.9	54,343.9	346,824.20	54,644.50	10,928.90
Wellesley.....	304.4	1,053.8	11,023.55	1,522.00	304.40
Wellington.....	446.6	1,852.9	18,343.55	...	446.60
West Lorne.....	780.9	2,822.2	34,666.74	3,904.50	780.90
Weston.....	6,991.3	35,704.4	227,842.02	34,956.50	6,991.30
Westport.....	243.3	1,007.6	8,950.90	...	243.30
Wheatley.....	557.7	2,328.9	24,757.56	2,788.50	557.70
Whitby.....	3,329.1	16,931.1	116,737.39	...	3,329.10
Warton.....	791.5	4,122.4	34,762.64	...	791.50
Williamsburg.....	141.9	644.6	6,294.70	...	141.90
Winchester.....	748.7	3,238.2	30,259.23	...	748.70
Windermere.....	108.9	409.0	4,147.57	...	108.90
Windsor.....	62,353.3	314,317.1	2,299,169.68	311,766.50	62,353.30
Wingham.....	1,260.5	6,727.9	56,980.02	...	1,260.50
Woodbridge.....	1,647.2	8,649.1	58,645.87	8,236.00	1,647.20
Woodstock.....	11,974.1	59,881.7	383,910.27	59,870.50	11,974.10
Woodville.....	150.8	588.4	6,836.03	...	150.80
Wyoming.....	243.4	968.5	10,611.58	1,217.00	243.40
York Twp.....	41,172.9	228,400.0	1,301,079.13	205,864.50	41,172.90
Zurich.....	267.7	1,026.0	11,283.53	1,338.50	267.70
Ontario Central Reformatory.....	398.3	1,839.3	12,692.52	1,991.50	398.30
Total—Municipalities.....	1,866,041.5	9,993,705.7	61,623,177.23	7,630,678.00	1,866,041.50
Total—Rural power district.....	308,194.0	1,477,175.3	11,591,218.69	987,566.50	308,194.00
Total—Companies.....	501,621.4	4,996,747.3	18,534,005.50	2,157,648.26	501,621.40
Total—Local distribution systems.....	5,981.2	29,698.1	347,305.86	4,608.50	13,192.59
Grand Total.....	2,681,838.1	16,497,326.4	92,095,707.28	10,780,501.26	2,689,049.49

## SYSTEM

## COST OF POWER

Ended December 31, 1954

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance credited or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
...	6,305.23	788,258.70	831,397.30	43,138.60	41.00	38.87
489.60	76.12	10,148.30	10,401.86	253.56	42.50	41.46
...	896.31	116,236.67	125,392.72	9,156.05	43.50	40.32
17,847.20	2,774.70	239,342.14	285,556.00	46,213.86	32.00	26.82
1,377.80	214.21	23,767.73	27,385.10	3,617.37	39.75	34.50
1,744.20	271.17	34,108.27	36,626.80	2,518.53	42.00	39.11
510.00	79.29	8,752.88	10,328.50	1,575.62	40.50	34.33
425.80	66.20	8,943.71	10,378.88	1,435.17	48.75	42.01
3,789.40	589.14	67,811.88	70,104.80	2,292.92	37.00	35.79
...	2,177.51	300,703.90	320,386.48	19,682.58	45.75	42.94
...	33.12	5,334.47	5,559.30	224.83	52.20	50.09
369.80	57.49	7,068.97	7,581.55	512.58	41.00	38.23
989.40	153.82	19,305.77	18,055.64	1,250.13	36.50	39.03
...	195.74	25,769.30	26,439.00	669.70	42.00	40.94
...	214.27	29,045.26	30,148.48	1,103.22	43.75	42.15
...	3,203.17	382,764.88	421,319.06	38,554.18	38.75	37.16
...	228.23	33,781.89	33,581.66	200.23	45.75	46.02
404.20	62.84	8,274.43	8,942.56	668.13	44.25	40.94
...	3,398.22	408,999.38	420,762.33	11,762.95	38.50	37.42
...	94.65	12,755.30	13,620.76	865.46	44.75	41.90
893.20	138.87	17,758.08	17,975.97	217.89	40.25	39.76
...	242.81	39,109.33	39,826.33	717.00	51.00	50.09
...	2,173.87	267,615.95	279,652.00	12,036.05	40.00	38.28
486.60	75.65	8,631.95	9,733.33	1,101.38	40.00	35.48
...	173.41	27,930.35	28,862.70	932.35	51.75	50.09
6,658.20	1,035.15	112,373.14	124,842.18	12,469.04	37.50	33.75
1,583.00	246.11	33,725.03	36,806.67	3,081.64	46.50	42.61
283.80	44.12	6,108.68	6,633.82	525.14	46.75	43.05
1,497.40	232.80	29,277.73	28,637.13	640.60	38.25	39.10
217.80	33.86	4,004.81	4,272.35	267.54	39.25	36.78
...	19,388.09	2,653,901.39	2,759,135.36	105,233.97	44.25	42.56
2,521.00	391.94	55,327.58	52,311.44	3,016.14	41.50	43.89
...	512.18	68,016.89	71,580.95	3,564.06	44.75	41.29
...	3,723.22	452,031.65	469,984.73	17,953.08	39.25	37.75
301.60	46.89	6,638.34	6,897.57	259.23	45.75	44.02
...	75.68	11,996.30	11,925.79	70.51	49.00	49.29
...	12,802.27	1,535,314.26	1,585,157.27	49,843.01	38.50	37.29
...	83.24	12,806.49	13,184.64	378.15	49.25	47.84
...	123.85	14,958.47	14,378.33	580.14	36.10	37.56
679,811.80	580,225.63	69,859,859.30	73,222,690.57	3,362,831.27	...	...
221,361.40	95,829.62	12,569,788.17	12,569,788.17	...	...	...
...	518,399.22	21,711,674.38	21,711,674.38	...	...	...
...	157,656.03	522,762.98	522,762.98	...	...	...
901,173.20	...	104,664,084.83	108,026,916.10	3,362,831.27	...	...

**Notes on Cost of Power Statement**

## SOUTHERN ONTARIO SYSTEM

1. The total of \$92,095,707.28 shown under the heading "Power purchased, operating costs, and net fixed charges" includes the following items of cost shown in the statement of operations:

Cost of power purchased.....	\$12,330,220.59
Interchange of power with Northern Ontario Properties.....	64,735.15
Operation, maintenance and administrative expenses.....	33,291,851.02
Interest.....	29,755,689.99
Depreciation.....	8,124,701.35
Sinking fund provision.....	8,747,250.54
Credit resulting from matured sinking fund.....	89,271.06
	<hr/>
	\$92,095,707.28
	<hr/>

2. Frequency standardization interest and portion of cost written off are as follows:

Interest.....	\$ 3,605,007.76
Portion of cost written off.....	7,175,493.50
	<hr/>
	\$10,780,501.26
	<hr/>

This represents a charge to all customers in the Niagara Division (except certain companies whose equipment will not be standardized at 60 cycles) at the rate of \$5 per kilowatt of the average monthly peak load supplied amounting to \$9,433,087.50 plus an amount equal to the revenue from the export of 60-cycle surplus energy amounting to \$1,347,413.76. The latter amount is included in the \$2,157,648.26 shown as charged to companies.

3. The provision for rate stabilization and contingencies amounting to \$2,689,049.49 consists of a charge of \$1 per kilowatt of the average monthly peak load supplied to all customers in the Southern Ontario System plus \$7,211.39 for the distribution facilities of the local systems.

4. The withdrawal of \$901,173.20 from stabilization of rates reserve was credited to all municipal customers and the rural power district in the Eastern Ontario and Georgian Bay Divisions at the rate of \$2 per kilowatt of the average monthly peak load supplied.

5. The method used in 1953 of allocating the cost of power supplied to each customer was followed in 1954 with the following exception:

The portion of the costs of bulk transmission allocated to all loads in the Southern Ontario System on a kilowatt basis was increased from approximately one-third in 1953 to approximately two-thirds in 1954.

6. Interchange of power between the Southern Ontario System and the Northern Ontario Properties shown in the statement of operations as a deduction amounting to \$64,735 represents the cost of 79,804,000 kilowatt-hours of energy transferred to the Northern Ontario Properties less the cost of 60,232,000 kilowatt-hours of energy transferred to the Southern Ontario System. The cost was determined on the basis of the average annual cost of generating energy and the cost of the facilities used for the interchange. This energy is not included in the cost of power statement in the total of "Energy supplied during the year—16,497,326,000 kilowatt-hours."

7. The credit of \$89,271 resulting from matured sinking fund consists of a principal amount of \$18,603 and interest at 4 per cent amounting to \$70,668. This credit includes allowances in respect of 1952 and 1953 which had not been made in view of their relatively small amount.

8. The average peak load supplied in the year as shown in the cost of power statement represents primary power only. In addition to this, excess energy available from time to time is sold on a kilowatt-hour basis for export to the United States and to customers in Ontario for the operation of electric steam-boilers. Such energy is included in the total energy supplied to companies. As it is classed as secondary power, however, it is not included in the companies' average monthly peak load.

The revenue from this source was as follows:

	60-cycle surplus energy exported	Other surplus energy	Total
Gross revenue. ....	\$1,574,747.43	\$1,029,431.27	\$2,604,178.70
Less export taxes and other specific costs . . . .	227,333.67	116,000.00	343,333.67
Net revenue. ....	<u>\$1,347,413.76</u>	<u>\$ 913,431.27</u>	<u>\$2,260,845.03</u>

The net revenue from the sale of 60-cycle surplus energy exported amounting to \$1,347,413.76 is included in "Frequency standardization interest and portion of cost written off," (see Note 2 above). The net revenue from the sale of other surplus energy of \$913,431.27 has been included in the amount billed to companies and, in consequence, the profit of \$518,399.22 on operation of direct customers' accounts is after taking such revenue into account.

SOUTHERN ONTARIO SYSTEM  
STATEMENT OF SINKING FUND EQUITY  
as at December 31, 1954

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1954	Reduction made in cost of power from matured sinking fund (Note 2)	
	Balance at Jan. 1, 1954	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1954		Interest	Provision
	\$	\$	\$	\$	\$	\$	
Acton.....	214,900.82	20,248.23	...	235,149.05	1,151.00	90.67	23.87
Ailsa Craig.....	35,947.64	2,461.44	...	38,409.08	...	...	...
Alexandria.....	75,524.11	7,174.70	...	82,698.81	...	...	...
Alliston.....	70,912.79	7,265.68	...	78,178.47	...	...	...
Almonte.....	16,766.47	3,837.26	...	20,603.73	...	...	...
Alvinston.....	35,826.99	2,355.17	...	38,182.16	...	...	...
Amherstburg.....	164,292.92	16,577.23	...	180,870.15	...	...	...
Ancaster Twp.....	55,889.03	7,106.49	...	62,995.52	...	...	...
Apple Hill.....	8,145.92	584.68	...	8,730.60	...	...	...
Arkona.....	17,648.95	1,689.71	...	19,338.66	...	...	...
Arnprior.....	74,513.02	15,690.63	...	90,203.65	...	...	...
Arthur.....	48,167.63	3,909.98	...	52,077.61	...	...	...
Athens.....	18,639.58	1,735.85	...	20,375.43	...	...	...
Aurora.....	62,782.48	12,377.20	...	75,159.68	...	...	...
Aylmer.....	138,233.05	16,215.85	...	154,448.90	...	...	...
Ayr.....	41,354.25	3,638.42	...	44,992.67	...	...	...
Baden.....	81,531.76	4,557.35	...	86,089.11	2,596.39	152.78	40.22
Bancroft.....	3,431.54	1,611.04	...	5,042.58	...	...	...
Barrie.....	471,827.65	50,479.19	...	522,306.84	...	...	...
Barry's Bay.....	2,130.78	984.53	...	3,115.31	...	...	...
Bath.....	7,591.10	929.37	...	8,520.47	...	...	...
Beachville.....	110,412.80	9,251.66	...	119,664.46	1,809.12	164.37	43.27
Beamsville.....	34,474.49	5,750.22	...	40,224.71	...	...	...
Beaverton.....	51,913.33	4,684.70	...	56,598.03	...	...	...
Beeton.....	36,316.41	2,691.68	...	39,008.09	...	...	...
Belle River.....	33,460.85	3,600.08	...	37,060.93	...	...	...
Belleville.....	619,216.47	73,595.12	...	692,811.59	...	...	...
Blenheim.....	102,092.41	8,798.32	...	110,890.73	...	...	...
Bloomfield.....	19,463.78	2,078.15	...	21,541.93	...	...	...
Blyth.....	29,396.01	2,961.88	...	32,357.89	...	...	...
Bobcaygeon.....	7,697.66	1,985.02	...	9,682.68	...	...	...
Bolton.....	44,983.35	3,925.39	...	48,908.74	...	...	...
Bothwell.....	40,191.92	3,054.07	...	43,245.99	...	...	...
Bowmanville.....	238,834.35	27,792.49	...	266,626.84	...	...	...
Bradford.....	53,340.79	5,943.04	...	59,283.83	...	...	...
Braeside.....	6,278.32	1,219.02	...	7,497.34	...	...	...
Brampton.....	461,101.58	41,991.43	...	503,093.01	7,931.62	807.10	212.47
Brantford.....	2,549,859.20	203,658.07	...	2,753,517.27	10,409.31	416.37	109.61
Brantford Twp.....	160,253.07	26,543.91	...	186,796.98	...	...	...
Brechin.....	16,383.38	1,016.03	...	17,399.41	...	...	...

**SOUTHERN ONTARIO SYSTEM**  
**STATEMENT OF SINKING FUND EQUITY**  
**as at December 31, 1954**  
**(continued)**

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1954	Reduction made in cost of power from matured sinking fund (Note 2)	
	Balance at Jan. 1, 1954	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1954		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Bridgeport.....	23,166.89	3,005.14	...	26,172.03	...	...	...
Brigden.....	28,299.87	1,846.00	...	30,145.87	...	...	...
Brighton.....	44,376.38	5,536.78	...	49,913.16	...	...	...
Brockville.....	557,463.26	56,250.78	...	613,714.04	...	...	...
Bronte.....	3,319.19	2,611.79	...	5,930.98	...	...	...
Brussels.....	36,925.13	3,504.24	...	40,429.37	...	...	...
Burford.....	39,444.08	3,695.28	...	43,139.36	...	...	...
Burgessville.....	13,755.59	1,121.95	...	14,877.54	...	...	...
Burk's Falls.....	2,970.81	1,476.33	...	4,447.14	...	...	...
Burlington.....	68,379.25	18,768.16	...	87,147.41	...	...	...
Caledonia.....	61,265.85	5,206.49	...	66,472.34	473.88	37.53	9.88
Campbellville.....	8,237.47	796.14	...	9,033.61	...	...	...
Cannington.....	40,153.02	3,701.02	...	43,854.04	...	...	...
Cardinal.....	27,305.34	3,917.84	...	31,223.18	...	...	...
Carleton Place.....	219,222.59	19,793.42	...	239,016.01	...	...	...
Casselman.....	965.16	1,269.27	...	2,234.43	...	...	...
Cayuga.....	27,964.09	2,191.11	...	30,155.20	...	...	...
Chatham.....	1,090,798.98	93,613.53	...	1,184,412.51	...	...	...
Chatsworth.....	14,137.37	1,484.95	...	15,622.32	...	...	...
Chesley.....	95,391.04	8,073.96	...	103,465.00	...	...	...
Chesterville.....	66,958.63	6,205.56	...	73,164.19	...	...	...
Chippawa.....	45,686.82	4,135.13	...	49,821.95	...	...	...
Clifford.....	21,448.78	1,937.85	...	23,386.63	...	...	...
Clinton.....	127,489.71	11,658.24	19.67	139,167.62	905.03	36.20	9.53
Cobden.....	12,088.08	1,932.86	...	14,020.94	...	...	...
Cobourg.....	205,610.13	33,973.02	...	239,583.15	...	...	...
Colborne.....	21,336.28	3,304.34	...	24,640.62	...	...	...
Coldwater.....	34,429.95	2,622.00	...	37,051.95	...	...	...
Collingwood.....	366,544.81	32,741.66	...	399,286.47	...	...	...
Comber.....	42,398.36	2,837.05	...	45,235.41	...	...	...
Cookstown.....	15,379.24	1,565.00	...	16,944.24	...	...	...
Cottam.....	13,866.12	1,340.80	...	15,206.92	...	...	...
Courtright.....	14,463.28	1,106.38	...	15,569.66	...	...	...
Creemore.....	29,966.58	2,605.20	...	32,571.78	...	...	...
Dashwood.....	22,738.41	1,864.69	...	24,603.10	...	...	...
Delaware.....	10,702.25	1,159.30	...	11,861.55	...	...	...
Delhi.....	43,698.63	7,360.29	...	51,058.92	...	...	...
Deseronto.....	28,794.06	4,012.19	...	32,806.25	...	...	...
Dorchester.....	20,557.27	1,880.70	...	22,437.97	...	...	...
Drayton.....	32,434.19	2,391.10	...	34,825.29	...	...	...

**SOUTHERN ONTARIO SYSTEM**  
**STATEMENT OF SINKING FUND EQUITY**  
**as at December 31, 1954**  
**(continued)**

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1954	Reduction made in cost of power from matured sinking fund (Note 2)	
	Balance at Jan. 1, 1954	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1954		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Dresden.....	87,181.19	7,351.70	...	94,532.89	...	...	...
Drumbo.....	18,128.96	1,500.28	...	19,629.24	...	...	...
Dublin.....	13,719.19	1,023.94	...	14,743.13	...	...	...
Dundalk.....	35,147.01	3,281.55	...	38,428.56	...	...	...
Dundas.....	378,135.19	30,142.36	...	408,277.55	8,788.22	871.07	229.31
Dunnville.....	183,019.30	18,822.54	...	201,841.84	...	...	...
Durham.....	77,911.56	6,776.10	...	84,687.66	...	...	...
Dutton.....	48,294.88	3,389.17	...	51,684.05	...	...	...
East York Twp.....	1,048,166.70	143,699.73	...	1,191,866.43	...	...	...
Eganville.....	513.61	610.74	...	1,124.35	...	...	...
Elmira.....	207,728.48	18,670.64	...	226,399.12	1,324.79	52.99	13.95
Elmvale.....	37,560.98	3,262.16	...	40,823.14	...	...	...
Elmwood.....	12,457.94	1,169.84	...	13,627.78	...	...	...
Elora.....	93,194.32	6,774.14	...	99,968.46	...	...	...
Embro.....	28,930.46	2,286.62	...	31,217.08	...	...	...
Erieau.....	22,467.86	2,200.69	...	24,668.55	...	...	...
Erie Beach.....	4,451.16	358.88	...	4,810.04	...	...	...
Erin.....	2,925.66	1,435.26	...	4,360.92	...	...	...
Essex.....	93,275.17	9,085.13	...	102,360.30	...	...	...
Etobicoke Twp.....	1,055,391.77	216,018.29	...	1,271,410.06	...	...	...
Exeter.....	122,269.60	11,680.68	...	133,950.28	...	...	...
Fergus.....	188,028.15	17,445.90	...	205,474.05	...	...	...
Finch.....	13,853.25	1,265.92	...	15,119.17	...	...	...
Flesherton.....	16,455.26	1,808.05	...	18,263.31	...	...	...
Fonthill.....	25,393.51	3,890.22	...	29,283.73	...	...	...
Forest.....	96,659.13	8,412.58	...	105,071.71	...	...	...
Forest Hill.....	608,816.28	62,532.10	...	671,348.38	...	...	...
Frankford.....	4,607.32	1,937.10	...	6,544.42	...	...	...
Galt.....	1,481,280.76	119,611.96	8,493.23	1,609,385.95	17,386.51	1,597.45	420.53
Georgetown.....	291,316.00	26,146.61	...	317,462.61	1,869.90	140.47	36.98
Glencoe.....	51,306.82	3,590.39	...	54,897.21	...	...	...
Goderich.....	322,870.60	27,508.45	...	350,379.05	2,556.51	102.26	26.92
Grand Bend.....	...	1,572.07	...	1,572.07	...	...	...
Grand Valley.....	32,564.44	2,967.51	...	35,531.95	...	...	...
Granton.....	18,492.35	1,152.10	...	19,644.45	...	...	...
Gravenhurst.....	107,134.90	12,717.26	...	119,852.16	...	...	...
Grimsby.....	43,961.74	8,943.22	...	52,904.96	...	...	...
Guelph.....	1,725,668.77	141,701.12	...	1,867,369.89	25,865.15	2,877.61	757.53
Hagersville.....	185,787.07	13,640.88	...	199,427.95	1,689.45	162.17	42.69
Hamilton.....	14,884,168.03	1,351,269.01	...	16,235,437.04	88,790.12	6,687.90	1,760.59

**SOUTHERN ONTARIO SYSTEM**  
**STATEMENT OF SINKING FUND EQUITY**  
**as at December 31, 1954**  
**(continued)**

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1954	Reduction made in cost of power from matured sinking fund (Note 2)	
	Balance at Jan. 1, 1954	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1954		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Hanover.....	214,751.12	19,299.47	...	234,050.59	...	...	...
Harriston.....	91,860.33	7,972.96	...	99,833.29	...	...	...
Harrow.....	80,795.60	7,637.34	...	88,432.94	...	...	...
Hastings.....	14,394.88	1,752.68	...	16,147.56	...	...	...
Havelock.....	32,149.00	2,705.12	...	34,854.12	...	...	...
Hawkesbury.....	...	1,375.32	...	1,375.32	...	...	...
Hensall.....	44,968.53	4,131.98	...	49,100.51	...	...	...
Hespeler.....	336,998.13	30,578.17	...	367,576.30	3,712.25	458.99	120.83
Highgate.....	23,023.54	1,682.40	...	24,705.94	...	...	...
Holstein.....	6,719.08	617.18	...	7,336.26	...	...	...
Huntsville.....	171,269.62	16,013.68	...	187,283.30	...	...	...
Ingersoll.....	481,124.79	34,811.13	...	515,935.92	7,753.09	939.37	247.29
Iroquois.....	15,179.40	2,975.29	...	18,154.69	...	...	...
Jarvis.....	37,878.81	2,607.13	...	40,485.94	...	...	...
Kemptville.....	61,287.51	6,970.56	...	68,258.07	...	...	...
Kincardine.....	122,848.69	11,729.48	...	134,578.17	...	...	...
Kingston.....	783,168.04	132,988.05	2,872.38	919,028.47	...	...	...
Kingsville.....	113,425.74	10,462.23	...	123,887.97	...	...	...
Kirkfield.....	7,873.69	594.43	...	8,468.12	...	...	...
Kitchener.....	3,557,020.68	304,711.76	...	3,861,732.44	31,145.30	3,005.01	791.07
Lakefield.....	46,202.57	5,765.48	...	51,968.05	...	...	...
Lambeth.....	28,605.28	3,692.95	...	32,298.23	...	...	...
Lanark.....	17,765.67	1,619.33	...	19,385.00	...	...	...
Lancaster.....	14,721.06	1,187.59	...	15,908.65	...	...	...
La Salle.....	46,508.04	5,425.53	...	51,933.57	...	...	...
Leamington.....	275,632.90	28,667.31	...	304,300.21	...	...	...
Lindsay.....	343,280.97	38,700.59	...	381,981.56	...	...	...
Listowel.....	218,781.22	17,809.94	...	236,591.16	...	...	...
London.....	6,092,065.73	441,586.83	72.53	6,533,725.09	75,179.49	6,872.40	1,809.16
London Twp.....	68,359.07	7,904.30	...	76,263.37	...	...	...
Long Branch.....	140,389.26	23,069.84	...	163,459.10	...	...	...
L'Orignal.....	234.24	785.30	...	1,019.54	...	...	...
Lucan.....	45,778.49	4,023.17	...	49,801.66	...	...	...
Lucknow.....	57,028.55	4,882.67	...	61,911.22	...	...	...
Lynden.....	29,864.96	2,040.61	...	31,905.57	...	...	...
Madoc.....	30,029.65	4,139.72	...	34,169.37	...	...	...
Magnetawan.....	519.39	291.61	...	811.00	...	...	...
Markdale.....	29,135.96	3,060.41	...	32,196.37	...	...	...
Markham.....	57,213.74	6,584.82	...	63,798.56	...	...	...
Marmora.....	19,195.27	2,870.67	...	22,065.94	...	...	...

**SOUTHERN ONTARIO SYSTEM**  
**STATEMENT OF SINKING FUND EQUITY**  
**as at December 31, 1954**  
**(continued)**

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1954	Reduction made in cost of power from matured sinking fund (Note 2)	
	Balance at Jan. 1, 1954	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1954		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Martintown.....	6,057.28	629.64	...	6,686.92	...	...	...
Maxville.....	24,581.20	2,227.26	...	26,808.46	...	...	...
Meaford.....	99,963.83	12,085.84	...	112,049.67	...	...	...
Merlin.....	27,107.96	2,001.64	...	29,109.60	...	...	...
Merrickville.....	3,577.00	1,366.47	...	4,943.47	...	...	...
Merritton.....	666,835.56	76,422.82	...	743,258.38	...	...	...
Midland.....	558,337.19	43,750.22	...	602,087.41	...	...	...
Mildmay.....	15,045.66	1,922.12	...	16,967.78	...	...	...
Millbrook.....	8,643.03	1,694.30	...	10,337.33	...	...	...
Milton.....	253,200.16	21,025.29	...	274,225.45	5,116.81	412.31	108.54
Milverton.....	99,829.78	7,445.03	...	107,274.81	...	...	...
Mimico.....	382,224.16	35,591.33	...	417,815.49	1,696.11	122.24	32.18
Mitchell.....	120,138.40	9,837.86	...	129,976.26	2,601.14	369.50	97.27
Moorefield.....	15,772.14	1,255.31	...	17,027.45	...	...	...
Morrisburg.....	23,088.62	4,542.68	...	27,631.30	...	...	...
Mount Brydges.....	19,869.90	1,722.90	...	21,592.80	...	...	...
Mount Forest.....	92,872.99	8,841.46	...	101,714.45	...	...	...
Napanee.....	140,610.69	17,046.52	...	157,657.21	...	...	...
Neustadt.....	15,034.49	1,383.92	...	16,418.41	...	...	...
Newboro.....	959.20	280.33	...	1,239.53	...	...	...
Newburgh.....	1,835.93	784.87	...	2,620.80	...	...	...
Newbury.....	10,976.75	825.60	...	11,802.35	...	...	...
Newcastle.....	16,879.49	3,453.54	...	20,333.03	...	...	...
New Hamburg.....	122,442.35	9,316.76	...	131,759.11	2,619.18	280.95	73.96
Newmarket.....	72,824.65	16,311.10	377.49	89,513.24	...	...	...
New Toronto.....	1,285,037.16	111,056.34	...	1,396,093.50	133.90	5.36	1.41
Niagara.....	91,811.13	9,287.50	...	101,098.63	...	...	...
Niagara Falls.....	1,367,770.93	108,127.24	...	1,475,898.17	...	...	...
North York Twp.....	1,164,648.18	305,554.06	...	1,470,202.24	...	...	...
Norwich.....	89,185.23	6,728.91	...	95,914.14	1,634.38	161.48	42.51
Norwood.....	20,592.00	2,669.81	...	23,261.81	...	...	...
Oakville.....	66,262.06	23,524.30	...	89,786.36	...	...	...
Oil Springs.....	53,378.35	3,113.38	...	56,491.73	...	...	...
Omeme.....	10,448.66	1,695.76	123.46	12,267.88	...	...	...
Orangeville.....	127,981.66	13,117.40	...	141,099.06	...	...	...
Orillia.....	...	7,799.88	...	7,799.88	...	...	...
Orono.....	7,790.78	1,525.10	...	9,315.88	...	...	...
Oshawa.....	1,803,299.15	225,694.08	22,169.88	2,051,163.11	...	...	...
Ottawa.....	1,509,340.87	352,679.45	...	1,862,020.32	...	...	...
Otterville.....	23,185.31	2,007.67	...	25,192.98	...	...	...
Owen Sound.....	663,604.75	64,010.96	...	727,615.71	...	...	...
Paisley.....	29,312.11	2,752.52	...	32,064.63	...	...	...
Palmerston.....	108,860.02	8,236.71	...	117,096.73	...	...	...
Paris.....	282,809.75	20,947.39	...	303,757.14	2,825.26	113.01	29.75
Parkhill.....	51,693.89	4,587.65	...	56,281.54	...	...	...

**SOUTHERN ONTARIO SYSTEM**  
**STATEMENT OF SINKING FUND EQUITY**  
**as at December 31, 1954**  
**(continued)**

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1954	Reduction made in cost of power from matured sinking fund (Note 2)	
	Balance at Jan. 1, 1954	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1954		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Parry Sound.....	13,568.70	5,530.71	...	19,099.41	...	...	...
Penetanguishene.....	163,763.82	14,339.97	...	178,103.79	...	...	...
Perth.....	200,312.40	19,591.88	...	219,904.28	...	...	...
Peterborough.....	1,197,108.91	155,044.28	...	1,352,153.19	...	...	...
Petrolia.....	236,496.70	15,538.74	...	252,035.44	...	...	...
Pictou.....	166,806.96	17,710.51	...	184,517.47	...	...	...
Plattsville.....	27,066.65	2,896.23	...	29,962.88	...	...	...
Point Edward.....	201,294.77	19,892.51	...	221,187.28	...	...	...
Port Colborne.....	329,076.12	28,617.38	...	357,693.50	...	...	...
Port Credit.....	128,615.92	17,989.90	...	146,605.82	799.62	66.44	17.49
Port Dalhousie.....	107,626.73	9,916.36	...	117,543.09	...	...	...
Port Dover.....	78,100.34	7,978.02	...	86,078.36	...	...	...
Port Elgin.....	52,404.10	6,367.85	...	58,771.95	...	...	...
Port Hope.....	240,657.99	33,398.58	...	274,056.57	...	...	...
Port McNicoll.....	25,532.01	4,725.42	...	30,257.43	...	...	...
Port Perry.....	51,777.21	5,597.29	...	57,374.50	...	...	...
Port Rowan.....	19,627.15	1,720.57	...	21,347.72	...	...	...
Port Stanley.....	109,249.85	8,447.31	...	117,697.16	1,500.47	134.06	35.29
Prescott.....	144,273.03	15,638.42	...	159,911.45	...	...	...
Preston.....	638,684.83	48,474.64	3,354.25	690,513.72	14,694.21	1,489.38	392.08
Priceville.....	2,495.37	247.25	...	2,742.62	...	...	...
Princeton.....	25,058.31	1,809.40	...	26,867.71	...	...	...
Queenston.....	18,106.63	1,661.77	...	19,768.40	...	...	...
Renfrew.....	35,728.38	11,315.64	...	47,044.02	...	...	...
Richmond.....	11,277.84	1,437.82	...	12,715.66	...	...	...
Richmond Hill.....	69,375.86	10,557.24	2,511.89	82,444.99	...	...	...
Ridgetown.....	105,960.78	8,341.84	...	114,302.62	...	...	...
Ripley.....	21,499.65	1,828.36	...	23,328.01	...	...	...
Riverside.....	233,872.44	25,508.93	...	259,381.37	...	...	...
Rockland.....	...	1,289.79	...	1,289.79	...	...	...
Rockwood.....	28,510.87	2,454.32	...	30,965.19	516.62	41.33	10.88
Rodney.....	34,800.15	2,951.18	...	37,751.33	...	...	...
Rosseau.....	10,049.55	687.19	...	10,736.74	...	...	...
Russell.....	15,042.52	1,277.24	...	16,319.76	...	...	...
St. Catharines.....	2,115,423.04	212,458.68	...	2,327,881.72	...	...	...
St. Clair Beach.....	18,754.78	1,976.36	...	20,731.14	...	...	...
St. George.....	34,567.25	2,545.50	...	37,112.75	...	...	...
St. Jacobs.....	44,167.50	3,544.30	...	47,711.80	...	...	...
St. Mary's.....	316,632.32	21,452.26	...	338,084.58	5,515.67	660.70	173.93
St. Thomas.....	1,221,549.49	86,286.32	...	1,307,835.81	22,704.65	2,102.72	553.54
Sarnia.....	1,672,957.02	186,640.36	15,196.53	1,874,793.91	...	...	...
Scarborough Twp.....	852,225.87	234,344.83	...	1,086,570.70	...	...	...
Seaforth.....	152,280.24	10,843.88	...	163,124.12	3,688.51	404.37	106.45
Shelburne.....	51,526.34	5,120.09	...	56,646.43	...	...	...
Simcoe.....	316,222.59	29,270.79	51.57	345,544.95	...	...	...

**SOUTHERN ONTARIO SYSTEM**  
**STATEMENT OF SINKING FUND EQUITY**  
**as at December 31, 1954**  
**(continued)**

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1954	Reduction made in cost of power from matured sinking fund (Note 2)	
	Balance at Jan. 1, 1954	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1954		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Smith's Falls.....	305,200.21	32,636.89	...	337,837.10	...	...	...
Smithville.....	15,028.73	2,577.38	...	17,606.11	...	...	...
Southampton.....	51,041.83	6,041.38	...	57,083.21	...	...	...
Springfield.....	21,154.32	1,439.35	...	22,593.67	...	...	...
Stamford Twp.....	311,260.29	46,485.48	...	357,745.77	...	...	...
Stayner.....	45,880.36	4,789.82	...	50,670.18	...	...	...
Stirling.....	30,365.90	3,707.71	...	34,073.61	...	...	...
Stoney Creek.....	16,695.76	6,768.60	...	23,464.36	...	...	...
Stouffville.....	54,849.51	6,562.65	...	61,412.16	...	...	...
Stratford.....	1,394,465.11	98,362.78	...	1,492,827.89	14,779.68	1,477.76	389.02
Strathroy.....	229,207.26	18,215.42	...	247,422.68	...	...	...
Streetsville.....	27,180.28	6,324.95	...	33,505.23	...	...	...
Sunderland.....	25,525.43	2,203.11	...	27,728.54	...	...	...
Sundridge.....	967.08	813.48	...	1,780.56	...	...	...
Sutton.....	51,770.98	5,347.22	...	57,118.20	...	...	...
Swansea.....	275,374.35	27,101.28	...	302,475.63	...	...	...
Tara.....	22,750.31	1,959.17	...	24,709.48	...	...	...
Tavistock.....	112,072.14	8,193.40	...	120,265.54	...	...	...
Tecumseh.....	75,163.91	7,541.15	...	82,705.06	...	...	...
Teeswater.....	33,333.56	3,026.40	...	36,359.96	...	...	...
Thamesford.....	43,771.59	3,451.51	...	47,223.10	354.23	14.17	3.73
Thamesville.....	45,722.67	4,209.62	...	49,932.29	...	...	...
Theford.....	26,669.89	2,355.99	...	29,025.88	...	...	...
Thornbury.....	6,867.29	1,905.14	...	8,772.43	...	...	...
Thorndale.....	21,294.56	1,648.99	...	22,943.55	184.24	7.37	1.94
Thornton.....	8,391.26	669.51	...	9,060.77	...	...	...
Thornold.....	311,449.52	39,623.99	...	351,073.51	...	...	...
Tilbury.....	140,677.35	12,966.82	...	153,644.17	...	...	...
Tillsonburg.....	237,441.37	20,539.74	...	257,981.11	3,854.70	423.55	111.50
Toronto.....	47,484,922.36	3,621,217.17	...	51,106,139.53	368,274.44	33,740.11	8,882.08
Toronto Twp.....	459,832.41	98,657.02	...	558,489.43	1,543.21	119.96	31.58
Tottenham.....	27,410.27	2,242.55	...	29,652.82	...	...	...
Trafalgar Twp.....	60,164.13	14,301.66	...	74,465.79	...	...	...
Trenton.....	340,737.54	44,323.22	...	385,060.76	...	...	...
Tweed.....	38,226.90	4,383.80	...	42,610.70	...	...	...
Uxbridge.....	58,047.45	6,220.73	...	64,268.18	...	...	...
Vankleek Hill.....	507.39	1,027.19	...	1,534.58	...	...	...
Victoria Harbour.....	16,933.37	1,653.71	...	18,587.08	...	...	...
Walkerton.....	84,242.56	11,440.14	...	95,682.70	...	...	...
Wallaceburg.....	580,360.46	54,295.51	...	634,655.97	...	...	...

\* Includes former cost-contract municipality of Agincourt.

# SOUTHERN ONTARIO SYSTEM

## STATEMENT OF SINKING FUND EQUITY

as at December 31, 1954

(concluded)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1954	Reduction made in cost of power from matured sinking fund (Note 2)	
	Balance at Jan. 1, 1954	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1954		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Wardsville.....	10,541.95	979.32	...	11,521.27	...	...	...
Warkworth.....	11,908.59	1,306.48	...	13,215.07	...	...	...
Wasaga Beach.....	...	2,127.65	...	2,127.65	...	...	...
Waterdown.....	54,970.02	4,683.39	...	59,653.41	1,233.62	97.63	25.70
Waterford.....	79,550.15	6,170.32	...	85,720.47	...	...	...
Waterloo.....	736,261.43	67,826.32	...	804,087.75	7,945.87	873.85	230.04
Watford.....	66,930.49	6,114.73	...	73,045.22	...	...	...
Waubashene.....	14,187.55	1,471.11	...	15,658.66	...	...	...
Welland.....	922,511.55	78,644.69	...	1,001,156.24	...	...	...
Wellesley.....	36,821.18	2,770.12	...	39,591.30	...	...	...
Wellington.....	31,489.59	3,327.41	...	34,817.00	...	...	...
West Lorne.....	67,516.16	6,797.35	...	74,313.51	...	...	...
Weston.....	626,107.88	52,067.87	...	678,175.75	3,021.84	303.82	79.98
Westport.....	17,006.00	1,704.51	...	18,710.51	...	...	...
Wheatley.....	42,040.95	4,567.29	...	46,608.24	...	...	...
Whitby.....	163,788.36	20,364.27	...	184,152.63	...	...	...
Warton.....	50,841.44	5,865.75	...	56,707.19	...	...	...
Williamsburg.....	15,850.66	1,329.33	...	17,179.99	...	...	...
Winchester.....	55,055.53	5,601.41	...	60,656.94	...	...	...
Windermere.....	8,015.15	781.97	...	8,797.12	...	...	...
Windsor.....	7,741,623.61	586,008.36	...	8,327,631.97	...	...	...
Wingham.....	112,766.22	10,789.46	...	123,555.68	...	...	...
Woodbridge.....	100,231.78	10,902.63	...	111,134.41	...	...	...
Woodstock.....	1,072,160.92	87,182.17	2,792.80	1,162,135.89	14,459.64	1,772.99	466.74
Woodville.....	22,616.40	1,645.65	...	24,262.05	...	...	...
Wyoming.....	22,277.17	2,104.32	...	24,381.49	...	...	...
York Twp.....	2,252,174.72	247,590.98	...	2,499,765.70	...	...	...
Zurich.....	33,061.88	2,612.62	...	35,674.50	...	...	...
Total—Municipalities....	137,826,260.53	12,802,563.68	58,035.68	150,686,859.89	773,035.14	70,667.77	18,603.29
Rural power district....	19,328,133.37	2,906,768.89	58,035.68	22,176,866.58	...	...	...
Administrative and service buildings and equipment	1,909,485.12	231,757.32	...	2,141,242.44	...	...	...
Grand Total.....	159,063,879.02	15,941,089.89 (Note 1)	...	175,004,968.91	773,035.14	70,667.77	18,603.29

NOTES: (1) The net provision and interest credited during the year consist of the following amounts shown in the statement of sinking fund reserve:

Interest.....	\$ 6,362,555.15
Provision—direct.....	9,512,427.88
—indirect.....	155,377.92

Less credits resulting from matured sinking funds.....

\$ 16,030,360.95  
89,271.06  
\$ 15,941,089.89

(2) This reduction includes allowances of \$15,738.82 and \$34,470.77 for the years 1952 and 1953 respectively which had not been made in those years in view of their relatively small amount.

NORTHERN ONTARIO

FIXED

Statement Showing Changes During

Property	Balance in service at January 1, 1954	Changes during	
		Placed in service	Equipment relocated and reclassified
<b>Power System</b>	\$	\$	\$
<b>GENERATING STATIONS</b>			
<b>NORTHEASTERN DIVISION</b>			
Abitibi River			
Abitibi Canyon .....	19,072,531	47,826	...
Mississagi River			
George W. Rayner .....	18,430,277	23,435	...
Other properties .....	21,065,724	468,575	27,416
Total Northeastern Division .....	58,568,532	539,836	27,416
<b>NORTHWESTERN DIVISION</b>			
Nipigon River			
Pine Portage .....	26,613,232	5,151,908	...
Cameron Falls .....	10,471,112	29,037	...
Alexander .....	7,198,366	123,436	5,033
Aguasabon River			
Aguasabon .....	12,678,996	21,968	...
English River			
Manitou Falls .....	9,499,921	223,009	720
Other properties .....			
Total Northwestern Division .....	66,461,627	5,549,358	4,313
	125,031,159	6,089,194	23,103
<b>TRANSFORMER STATIONS</b>			
Northeastern Division .....	13,089,021	1,516,066	27,416
Northwestern Division .....	4,381,901	335,718	...
	17,470,922	1,851,784	27,416
<b>TRANSMISSION LINES</b>			
Northeastern Division .....	18,836,127	2,354,174	132,133
Northwestern Division .....	14,599,043	1,025,329	3,162
	33,435,170	3,379,503	135,295
<b>LOCAL SYSTEMS</b>			
Northeastern Division .....	2,289,623	179,969	...
Northwestern Division .....	508,177	175,112	18,065
	2,797,800	355,081	18,065
<b>COMMUNICATIONS</b>			
Northern Ontario Properties .....	3,035,990	166,015	13,018
Total power system .....	181,770,041	11,841,577	162,065

## PROPERTIES

## ASSETS

## Year 1954 and Balances at December 31, 1954

year	Balance in service at December 31, 1954	Under construction at December 31, 1954	Total fixed assets at December 31, 1954	Expenditures during 1954
Sales and retirements				
\$	\$	\$	\$	\$
1,200	19,119,157	6,212	19,125,369	44,967
21,358	18,453,712 21,540,357	...	18,453,712 22,063,838	23,435 504,491
22,558	59,113,226	529,693	59,642,919	572,893
...	31,765,140	...	31,765,140	2,595,854
35,068	10,500,149 7,281,701	43,998 389,645	10,544,147 7,671,346	73,035 480,288
1,200	12,699,764	...	12,699,764	21,936
...	...	5,021,983	5,021,983	4,929,608
1,000	9,722,650	18,647	9,741,297	216,135
37,268	71,969,404	5,474,273	77,443,677	8,316,856
59,826	131,082,630	6,003,966	137,086,596	8,889,749
690,251	13,887,420	1,098,099	14,985,519	1,883,477
32,381	4,685,238	743,522	5,428,760	769,201
722,632	18,572,658	1,841,621	20,414,279	2,652,678
23,892	21,298,542	149,960	21,448,502	1,678,975
72,643	15,554,891	4,721,027	20,275,918	5,058,285
96,535	36,853,433	4,870,987	41,724,420	6,737,260
30,904	2,438,688	141,855	2,580,543	214,806
6,002	695,352	48,025	743,377	178,853
36,906	3,134,040	189,880	3,323,920	393,659
23,389	3,191,634	61,775	3,253,409	143,199
939,288	192,834,395	12,968,229	205,802,624	18,816,545

## NORTHERN ONTARIO

## FIXED

## Statement Showing Changes During

Property	Balance in service at January 1, 1954	Changes during	
		Placed in service	Equipment relocated and reclassified
<b>Administrative and Service Buildings and Equipment</b>	\$	\$	\$
BUILDINGS			
Northeastern Division . . . . .	336,727	3,244	...
Northwestern Division . . . . .	295,869	34,458	...
	632,596	37,702	...
OFFICE AND SERVICE EQUIPMENT . . . . .	508,960	73,929	...
Total administrative and service build- ings and equipment . . . . .	1,141,556	111,631	...
Rural Power District . . . . .	23,411,121	3,320,040	162,065
Total fixed assets . . . . .	206,322,718	15,273,248	...

## Changes in Assets Under Construction During 1954

Under construction at January 1, 1954 . . . . .	\$ 7,341,637
Expended during 1954 . . . . .	21,539,037
	\$ 28,880,674
Less—Placed in service during 1954 . . . . .	15,273,248
Under construction at December 31, 1954 . . . . .	\$ 13,607,426

## PROPERTIES

## ASSETS

Year 1954 and Balances at December 31, 1954

year	Balance in service at December 31, 1954	Under construction at December 31, 1954	Total fixed assets at December 31, 1954	Expenditures during 1954
Sales and retirements				
\$	\$	\$	\$	\$
...	339,971	33,622	373,593	7,894
...	330,327	17,483	347,810	45,973
...	670,298	51,105	721,403	53,867
...	582,889	...	582,889	73,929
...	1,253,187	51,105	1,304,292	127,796
422,940	26,146,156	588,092	26,734,248	2,594,696
1,362,228	220,233,738	13,607,426	233,841,164	21,539,037

## Summary of Sales and Retirements During 1954

Charged to accumulated depreciation .....	\$ 601,262
Recovered from sales .....	760,966
	<u>\$ 1,362,228</u>

**NORTHERN ONTARIO**  
**STATEMENTS OF RESERVES—**

**Accumulated Depreciation**

	Power system	Rural power district	Administrative and service buildings and equipment	Total
	\$	\$	\$	\$
Balance at January 1, 1954...	23,395,550.39	969,848.33	174,194.89	24,539,593.61
Add:				
Interest at 3% per annum on accumulated depreciation required on plant not fully depreciated.....	734,909.00	52,394.00	3,365.00	790,668.00
Provision in the year				
—direct.....	1,588,492.77	515,855.67	...	2,104,348.44
—indirect.....	...	...	61,028.47	61,028.47
Adjustments re transfer of equipment.....	3,431.00	3,431.00	667.76	667.76
	25,722,383.16	1,534,667.00	239,256.12	27,496,306.28
Deduct:				
Cost of fixed assets retired less proceeds from sales...	316,205.54	285,056.70	...	601,262.24
Removal costs of assets re- tired less salvage recoveries	7,429.93	219.06	25.00	7,185.87
Balance at December 31, 1954	25,398,747.69	1,249,829.36	239,281.12	26,887,858.17

NOTE: Following engineering studies, revisions were made during the year in the estimated asset service lives used for purposes of determining the depreciation rates applied. Revised depreciation rates, based on these revised service lives and interest improvement at 3% per annum (rather than 4% as in prior years), were made effective on January 1, 1954.

A computation of the accumulated depreciation required on assets in service, based on the revised depreciation rates, indicated that the balance in the account was in the aggregate \$1,045,000 less than requirements at December 31, 1954, consisting of a deficiency of \$286,000 in the account relating to the power system and the administrative and service buildings and equipment, and a deficiency of \$759,000 in the account relating to the assets of the rural power district.

**Exchange Discount and Premium on Funded Debt**

	Discount	Premium
Exchange discount and premium on funded debt issued in United States funds:		
Balances at January 1, 1954 (\$83,107.50 net) and December 31, 1954	\$100,097.66	\$183,205.16
No change during year		

PROPERTIES

December 31, 1954

Stabilization of Rates and Contingencies

	Province of Ontario	Municipalities supplied with power at cost	Northern Ontario Properties	Total
Balances merged on January 1, 1954:—(See note)	\$	\$	\$	\$
Stabilization of rates.....	778,828.24	563,674.91	...	1,342,503.15
Contingencies and obsolescence.....	520,186.48	1,398,434.62	9,135,804.52	11,054,425.62
	1,299,014.72	1,962,109.53	9,135,804.52	12,396,928.77
Deduct:				
Transfer to deficit account of the Province of Ontario on January 1, 1954.....	1,299,014.72	...	...	1,299,014.72
Adjusted balances at January 1, 1954.....	...	1,962,109.53	9,135,804.52	11,097,914.05
Add:				
Interest at 4% per annum on reserve balances.....	...	78,484.37	365,432.18	443,916.55
Provision in the year.....	...	...	792,072.14	792,072.14
Balance at December 31, 1954	...	2,040,593.90	10,293,308.84	12,333,902.74

NOTE: The separate reserves for stabilization of rates and for contingencies and obsolescence at December 31, 1953 were merged on January 1, 1954.

Sinking Fund

	Province of Ontario			Municipalities supplied with power at cost 40-year basis	Total
	40-year basis	Prepaid sinking funds	Total		
Balances at January 1, 1954.....	\$ 25,783,196.26	\$ 5,140,787.98	\$ 30,923,984.24	\$ 9,077,067.41	\$ 40,001,051.65
Transfer of prepaid sinking funds (Note 1).. Add:	8,756,034.43	8,756,034.43	...	...	...
Interest at 4% per annum on reserve balances.....	681,086.48	555,872.88	1,236,959.36	363,082.70	1,600,042.06
Provision in the year					
—direct.....	1,900,845.98	...	1,900,845.98	223,868.80	2,124,714.78
—indirect.....	7,002.52	...	7,002.52	...	7,002.52
	19,616,096.81	14,452,695.29	34,068,792.10	9,664,018.91	43,732,811.01
Deduct credits resulting from prepaid sinking funds (Note 2):					
Interest.....	...	555,872.88	555,872.88	...	555,872.88
Principal.....	...	146,333.54	146,333.54	...	146,333.54
	...	702,206.42	702,206.42	...	702,206.42
Balances at December 31, 1954.....	19,616,096.81	13,750,488.87	33,366,585.68	9,664,018.91	43,030,604.59

NOTES: (1) In earlier years the sinking fund provisions in the Northern Ontario Properties were in part based on terms shorter than forty years. On January 1, 1954 all sinking funds were adjusted retroactively on a forty-year-term basis and the excess amount accumulated in the reserve at that date was applied in prepayment of sinking funds.

(2) In 1953 the corresponding credits for prepaid sinking funds amounted to \$221,504.00.

NORTHERN ONTARIO

STATEMENT OF THE

For the Year Ended

	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy		
	kw	'000 kwh	\$	\$
Municipalities supplied with power at cost:				
Dryden .....	1,228.6	6,791.5	63,119.80	1,228.60
Fort William .....	27,245.8	161,139.0	815,891.71	27,245.80
Nipigon Twp. ....	828.3	4,313.2	24,438.58	828.30
Port Arthur .....	30,372.3	146,973.0	851,596.34	30,372.30
Red Rock .....	522.7	2,449.2	14,050.29	522.70
Schreiber Twp. ....	610.8	3,374.4	19,721.09	610.80
Terrace Bay .....	960.2	5,556.8	26,574.60	960.20
Total—Municipalities ..	61,768.7	330,597.1	1,815,392.41	61,768.70
Province of Ontario:				
Rural power district ..	26,598.4	128,758.2	3,337,036.97	282,474.46
Other customers .....	426,390.0	3,155,061.7	14,723,694.98	447,828.98
Total—Province of Ontario .....	452,988.4	3,283,819.9	18,060,731.95	730,303.44
Grand Total .....	514,757.1	3,614,417.0	19,876,124.36	792,072.14

Notes on Cost of Power Statement

NORTHERN ONTARIO PROPERTIES

1. The total of \$19,876,124.36 shown under the heading "Power purchased, operating costs, and net fixed charges" includes the following items of cost shown in the statement of operations:

Cost of power purchased .....	\$ 152,630.14
Interchange of power with Southern Ontario System .....	64,735.15
Operation, maintenance and administrative expenses .....	9,407,513.71
Interest .....	6,724,388.56
Depreciation .....	2,104,348.44
Sinking fund provision .....	2,124,714.78
Credit resulting from prepaid sinking fund .....	702,206.42
	<u>\$19,876,124.36</u>

2. The provision for contingencies amounting to \$792,072.14 consists of a charge of \$514,757.10 at \$1 per kilowatt of the average monthly peak load supplied to all customers and further charges of \$21,438.98 to local systems and of \$255,876.06 to the rural power district based on the cost of their distribution facilities.

## PROPERTIES

## COST OF POWER

December 31, 1954

Total cost of power and energy after reduction resulting from prepaid sinking fund	Amount billed at interim rates	Balance credited or charged	Annual rates on a kilowatt basis	
			Interim	Actual
\$	\$	\$	\$	\$
64,348.40	63,888.06	460.34	52.00	52.38
843,137.51	912,734.28	69,596.77	33.50	30.95
25,266.88	28,575.20	3,308.32	34.50	30.50
881,968.64	956,727.94	74,759.30	31.50	29.04
14,572.99	16,778.11	2,205.12	32.10	27.88
20,331.89	21,989.70	1,657.81	36.00	33.29
27,534.80	34,568.70	7,033.90	36.00	28.68
1,877,161.11	2,035,261.99	158,100.88	...	...
3,619,511.43	2,748,267.80	871,243.63	...	...
15,171,523.96	17,338,525.02	2,167,001.06	...	...
18,791,035.39	20,086,792.82	1,295,757.43	...	...
20,668,196.50	22,122,054.81	1,453,858.31	...	...

3. The credit of \$702,206 resulting from prepaid sinking fund consists of a principal amount of \$146,333 and interest at 4 per cent amounting to \$555,873 applicable to prepaid sinking funds aggregating \$13,896,822. In 1953 the corresponding credit to cost of power amounted to \$221,504.

4. Interchange of power with the Southern Ontario System shown in the statement of operations at \$64,735 represents the cost of 79,804,000 kilowatt-hours of energy transferred from the Southern Ontario System less the cost of 60,232,000 kilowatt-hours of energy transferred to that system. The cost was determined on the basis of the average annual cost of generating energy and the cost of the facilities used for the interchange.

5. The average peak load supplied in the year as shown in the cost of power statement represents primary power only. In addition to this, excess energy is sold on a kilowatt-hour basis to customers for use in electric steam-boilers. Such energy is included in the total energy supplied to other customers. As it is classed as secondary power, however, it is not included in the average monthly peak load supplied to other customers.

The revenue from this source was as follows:

	Paper companies	Other customers	Total
Gross revenue.....	\$258,605.82	\$207,949.86	\$466,555.68
Less costs related thereto.....	14,410.61	3,226.56	17,637.17
Net revenue.....	\$244,195.21	\$204,723.30	\$448,918.51

The gross revenue is included in the amount of \$17,338,525.02 billed to other customers for the account of the Province of Ontario.

# NORTHERN ONTARIO PROPERTIES

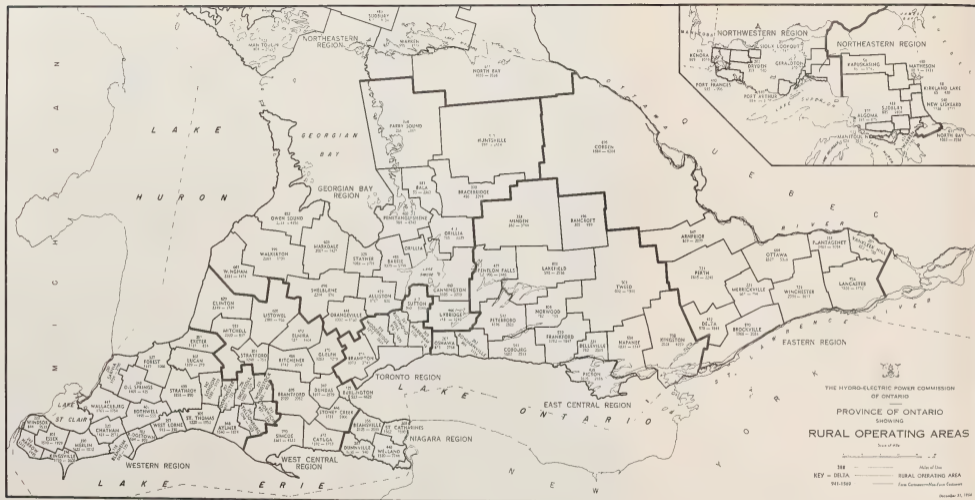
## STATEMENT OF SINKING FUND EQUITY

as at December 31, 1954

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon		
	Balance at January 1, 1954	Net provision and interest credited during year	Balance at December 31, 1954
	\$	\$	\$
Dryden .....	...	7,770.91	7,770.91
Fort William .....	3,004,821.40	220,927.95	3,225,749.35
Nipigon Twp. ....	50,422.20	4,945.91	55,368.11
Port Arthur .....	5,954,194.98	343,231.75	6,297,426.73
Red Rock .....	15,826.43	2,213.69	18,040.12
Schreiber Twp. ....	17,498.77	3,111.54	20,610.31
Terrace Bay .....	34,303.63	4,749.75	39,053.38
Total—Municipalities ..	9,077,067.41	586,951.50	9,664,018.91
Province of Ontario .....	30,923,984.24	2,442,601.44	33,366,585.68
Grand Total .....	40,001,051.65	3,029,552.94 (See note)	43,030,604.59

NOTE: The net provision and interest credited during the year consist of the following amounts shown in the statement of the sinking fund reserve:—

Interest .....	\$ 1,600,042.06
Provision—direct .....	2,124,714.78
—indirect .....	7,002.52
	<u>\$3,731,759.36</u>
Less credits resulting from prepaid sinking funds .....	702,206.42
	<u>\$3,029,552.94</u>





## APPENDIX III—RURAL

Power is delivered in wholesale quantities by the Commission to 105 rural operating areas in the rural power district. Within the areas, retail customers are supplied under the following five classes of service: farm, hamlet, commercial, summer, and industrial power. The description of these classes of service and the rates applicable to them at December 31, 1954 are included in this appendix.

For the first four classes a uniform rate structure applies throughout the rural power district and the rates given, except as noted, went into effect on January 1, 1953. Rates for industrial power service vary from area to area, but the rates shown for 1954 have been unchanged in general since November 1, 1952.

### Description of Main Classes of Service

Farm service means service rendered to a property used for the production of food or industrial crops. It provides electrical service to all farm buildings and equipment located on a farm and used for farm purposes, including equipment required for processing the products of that farm.

Service may be supplied under one farm contract to all dwellings or separate domestic establishments located on the farm and occupied by persons engaged in its operation. Additional dwellings or domestic establishments located on a farm property and occupied by persons otherwise engaged are classed as hamlet service. Small properties of five acres and less are classified as hamlet service unless special circumstances warrant a classification as farm service.

Hamlet service is provided to domestic establishments in a community served as part of a rural operating area, or to isolated residences in a rural area when these are not classified as farm service.

Commercial service applies to a wide variety of business or community establishments such as hotels, offices, stores, churches, schools, or small manufacturing and processing plants. Sign and display lighting is included.

Summer service is applicable to properties normally used only during the summer months.

Industrial power service is 3-phase service to such power users as creameries, cheese factories, and chopping mills. It includes industrial establishments and such other loads as cannot be supplied by commercial single-phase service.

#### Uniform Rural Rate Structure

Farm, hamlet, and commercial service rates are quoted on a monthly basis. They are, however, normally billed quarterly. Each service contract has a rating and the energy used is billed on the basis of a three-step rate, the bill being subject to a monthly minimum. Summer service rates are on an annual basis and consist of an annual fixed charge and a three-step energy rate. The number of kilowatt-hours billed at the first and second rates and the amount of the minimum monthly bill or of the annual fixed charge are dependent on the class of service and on the contract rating. For FD, HD, CD, and SD services these are based on measured demand and subject to a minimum demand of 10 kilowatts or to larger minima related to demands established during previous billing periods. The energy rate per kilowatt-hour is the same for all customers.

The following table shows, for all four classes of service, the ratings, the varying number of kilowatt-hours billed at the first and second rate, and the corresponding minimum bills or annual fixed charges.

#### RATES TO CUSTOMERS IN RURAL OPERATING AREAS

##### Farm, Hamlet, Commercial, and Summer Service

Prompt Payment Discount 10 per cent

		Kilowatt-hours billed at			min bill per month (gross)
Class	Rating	first rate 4.5 cents	second rate 2.6 cents	third rate 1.5 cents	
(number per month)					
Farm.....	F35	60	180	All	2.25
	F50	100	300	additional	3.75
	FD	10 per kw	30 per kw		0.40 per kw
Hamlet.....	H20	60	80	All	1.67
	H35	60	180	additional	2.25
	H50	80	300		3.75
	HD	10 per kw	30 per kw		0.40 per kw
Commercial...	C20	60	120	All	1.50
	C35	90	180	additional	2.25
	C50	150	300		3.75
	CD	15 per kw	30 per kw		0.40 per kw
(number per annum)					
Summer.....	S20	150	450	All	Annual fixed charge (gross) 16.67
	S35	225	675	additional	22.22
	S50	375	1,125		25.00
	SD	40 per kw	120 per kw		2.50 per kw

NOTE: For the FD, HD, CD, and SD ratings the number of kilowatt-hours at the first and second rate and the minimum bill as shown in the table above were placed in effect July 1, 1954.

## RATES TO CUSTOMERS IN RURAL OPERATING AREAS

## Industrial Power Service

Prompt Payment Discount 10 per cent

Rural operating areas by regions	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	Rate per kwh per month		
			First 50 hrs	Second 50 hrs	All ad- ditional
<b>SOUTHERN ONTARIO SYSTEM</b>	\$	\$	cents	cents	cents
<b>Western</b>					
Aylmer .....	34.00	1.35	3.4	2.2	0.33
Blenheim .....	34.00	1.35	3.4	2.2	0.33
Bothwell .....	36.00	1.35	3.7	2.4	0.33
Chatham .....	32.00	1.35	3.1	2.0	0.33
Dorchester .....	34.00	1.35	3.4	2.2	0.33
Essex .....	36.00	1.35	3.7	2.4	0.33
Exeter .....	34.00	1.35	3.4	2.2	0.33
Forest .....	36.00	1.35	3.7	2.4	0.33
Harrow .....	36.00	1.35	3.7	2.4	0.33
Ingersoll .....	32.00	1.35	3.1	2.0	0.33
Kingsville .....	34.00	1.35	3.4	2.2	0.33
London .....	32.00	1.35	3.1	2.0	0.33
Lucan .....	34.00	1.35	3.4	2.2	0.33
Merlin .....	36.00	1.35	3.7	2.4	0.33
Norwich .....	32.00	1.35	3.1	2.0	0.33
Oil Springs .....	36.00	1.35	3.7	2.4	0.33
Ridgetown .....	36.00	1.35	3.7	2.4	0.33
St. Thomas .....	34.00	1.35	3.4	2.2	0.33
Sarnia .....	34.00	1.35	3.4	2.2	0.33
Strathroy .....	34.90	1.35	3.4	2.2	0.33
Tillsonburg .....	32.00	1.35	3.1	2.0	0.33
Wallaceburg .....	34.00	1.35	3.4	2.2	0.33
West Lorne .....	36.00	1.35	3.7	2.4	0.33
Windsor .....	32.00	1.35	3.1	2.0	0.33
Woodstock .....	32.00	1.35	3.1	2.0	0.33
<b>West Central</b>					
Brantford .....	32.00	1.35	3.1	2.0	0.33
Burlington .....	32.00	1.35	3.1	2.0	0.33
Cayuga .....	36.00	1.35	3.7	2.4	0.33
Clinton .....	34.00	1.35	3.4	2.2	0.33
Dundas .....	32.00	1.35	3.1	2.0	0.33
Elmira .....	32.00	1.35	3.1	2.0	0.33
Guelph .....	32.00	1.35	3.1	2.0	0.33
Kitchener .....	32.00	1.35	3.1	2.0	0.33
Listowel .....	32.00	1.35	3.1	2.0	0.33
Mitchell .....	34.00	1.35	3.4	2.2	0.33
Simcoe .....	32.00	1.35	3.1	2.0	0.33
Stoney Creek .....	29.00	1.35	2.6	1.7	0.33
Caledonia Section .....	32.00	1.35	3.1	2.0	0.33
Stratford .....	32.00	1.35	3.1	2.0	0.33

## RATES TO CUSTOMERS IN RURAL OPERATING AREAS

## Industrial Power Service

Prompt Payment Discount 10 per cent

Rural operating areas by regions	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	Rate per kwh per month		
			First 50 hrs	Second 50 hrs	All ad- ditional
<b>SOUTHERN ONTARIO SYSTEM —Continued</b>	\$	\$	cents	cents	cents
<b>Niagara</b>					
Beamsville.....	32.00	1.35	3.1	2.0	0.33
Dunnville.....	34.00	1.35	3.4	2.2	0.33
St. Catharines.....	30.00	1.35	2.8	1.8	0.33
Welland.....	27.00	1.35	2.3	1.5	0.33
<b>Toronto</b>					
Brampton.....	32.00	1.35	3.1	2.0	0.33
Markham.....	32.00	1.35	3.1	2.0	0.33
Richmond Hill.....	32.00	1.35	3.1	2.0	0.33
Sutton.....	34.00	1.35	3.4	2.2	0.33
Woodbridge.....	34.00	1.35	3.4	2.2	0.33
<b>Georgian Bay</b>					
Alliston.....	34.00	1.35	3.4	2.2	0.33
Bala.....	32.00	1.35	3.1	2.0	0.33
Barrie.....	34.00	1.35	3.4	2.2	0.33
Bracebridge.....	32.00	1.35	3.1	2.0	0.33
Cannington.....	34.00	1.35	3.4	2.2	0.33
Huntsville.....	34.00	1.35	3.4	2.2	0.33
Markdale.....	32.00	1.35	3.1	2.0	0.33
Orangeville.....	36.00	1.35	3.7	2.4	0.33
Orillia.....	30.00	1.35	2.8	1.8	0.33
Owen Sound.....	34.00	1.35	3.4	2.2	0.33
Parry Sound.....	34.00	1.35	3.4	2.2	0.33
Penetanguishene.....	34.00	1.35	3.4	2.2	0.33
Shelburne.....	34.00	1.35	3.4	2.2	0.33
Stayner.....	32.00	1.35	3.1	2.0	0.33
Uxbridge.....	34.00	1.35	3.4	2.2	0.33
Walkerton.....	34.00	1.35	3.4	2.2	0.33
Wingham.....	34.00	1.35	3.4	2.2	0.33
<b>East Central</b>					
Bancroft.....	38.00	1.35	4.0	2.6	0.33
Belleville.....	32.00	1.35	3.1	2.0	0.33
Bowmanville.....	32.00	1.35	3.1	2.0	0.33
Cobourg.....	32.00	1.35	3.1	2.0	0.33
Fenelon Falls.....	34.00	1.35	3.4	2.2	0.33
Frankford.....	32.00	1.35	3.1	2.0	0.33
Kingston.....	32.00	1.35	3.1	2.0	0.33
Lakefield.....	32.00	1.35	3.1	2.0	0.33
Minden.....	36.00	1.35	3.7	2.4	0.33
Napanee.....	32.00	1.35	3.1	2.0	0.33

## RATES TO CUSTOMERS IN RURAL OPERATING AREAS

## Industrial Power Service

Prompt Payment Discount 10 per cent

Rural operating areas by regions	Basis of rate 130 hours' monthly use of demand per hp	Service charge per kw per month	Rate per kwh per month		
			First 50 hrs	Second 50 hrs	All ad- ditional
<b>SOUTHERN ONTARIO SYSTEM —Continued</b>	\$	\$	cents	cents	cents
<b>East Central—Continued</b>					
Norwood.....	34.00	1.35	3.4	2.2	0.33
Oshawa.....	32.00	1.35	3.1	2.0	0.33
Peterborough.....	27.00	1.35	2.3	1.5	0.33
Picton.....	34.00	1.35	3.4	2.2	0.33
Tweed.....	34.00	1.35	3.4	2.2	0.33
<b>Eastern</b>					
Arnprior.....	32.00	1.35	3.1	2.0	0.33
Brockville.....	32.00	1.35	3.1	2.0	0.33
Cobden.....	32.00	1.35	3.1	2.0	0.33
Delta.....	32.00	1.35	3.1	2.0	0.33
Lancaster.....	32.00	1.35	3.1	2.0	0.33
Merrickville.....	32.00	1.35	3.1	2.0	0.33
Ottawa.....	29.00	1.35	2.6	1.7	0.33
Perth.....	32.00	1.35	3.1	2.0	0.33
Plantagenet.....	32.00	1.35	3.1	2.0	0.33
Vankleek Hill.....	32.00	1.35	3.1	2.0	0.33
Winchester.....	32.00	1.35	3.1	2.0	0.33
<b>NORTHERN ONTARIO PROPERTIES</b>					
<b>Northeastern</b>					
Algoma.....	42.00	1.35	4.6	3.0	0.33
Kapuskasing.....	36.00	1.35	3.7	2.4	0.33
Kirkland Lake.....	36.00	1.35	3.7	2.4	0.33
Manitoulin.....	42.00	1.35	4.6	3.0	0.33
Matheson.....	36.00	1.35	3.7	2.4	0.33
New Liskeard.....	36.00	1.35	3.7	2.4	0.33
North Bay.....	36.00	1.36	3.7	2.4	0.33
Sudbury.....	36.00	1.35	3.7	2.4	0.33
Warren.....	36.00	1.35	3.7	2.4	0.33
<b>Northwestern</b>					
Dryden.....	42.00	1.35	4.6	3.0	0.33
Fort Frances.....	42.00	1.35	4.6	3.0	0.33
Geraldton.....	42.00	1.35	4.6	3.0	0.33
Kenora.....	42.00	1.35	4.6	3.0	0.33
Port Arthur.....	34.00	1.35	3.4	2.2	0.33
Sioux Lookout.....	42.00	1.35	4.6	3.0	0.33

## RURAL OPERATING AREAS

## MILES OF LINE, NUMBER OF CUSTOMERS

as at December 31, 1954

Rural operating areas by regions	Miles of primary line	Number of customers					
		Farm	Hamlet	Com- mercial	Sum- mer	Power	Total
SOUTHERN ONTARIO SYSTEM							
Western							
Aylmer.....	348.12	1,540	1,157	281	227	9	3,214
Blenheim.....	137.61	642	445	109	170	5	1,371
Bothwell.....	400.68	1,490	361	180	...	14	2,045
Chatham.....	319.52	1,421	2,271	275	...	26	3,993
Dorchester.....	201.01	837	588	132	2	11	1,570
Essex.....	300.52	1,510	1,148	185	579	17	3,439
Exeter.....	251.47	1,137	323	119	401	11	1,991
Forest.....	326.78	1,339	208	150	702	6	2,405
Harrow.....	241.59	1,333	1,026	154	1,296	9	3,818
Ingersoll.....	295.94	1,050	416	99	14	5	1,584
Kingsville.....	246.23	1,731	1,266	251	1,059	24	4,331
London.....	339.96	1,189	8,521	605	...	73	10,388
Lucan.....	368.05	1,339	167	106	1	5	1,618
Merlin.....	389.81	1,622	500	209	293	10	2,634
Norwich.....	211.00	937	290	86	...	8	1,321
Oil Springs.....	347.51	1,409	254	164	...	7	1,834
Ridgetown.....	183.19	664	292	95	603	7	1,661
St. Thomas.....	304.63	1,220	1,705	226	12	9	3,172
Sarnia.....	279.79	1,154	1,980	266	545	5	3,950
Strathroy.....	498.72	1,858	637	244	...	9	2,748
Tillsonburg.....	243.90	1,046	811	176	...	16	2,049
Wallaceburg.....	446.55	1,761	1,204	289	248	13	3,515
West Lorne.....	257.45	913	181	108	40	1	1,243
Windsor.....	222.80	844	8,771	712	...	55	10,382
Woodstock.....	220.58	882	655	138	...	9	1,684
Total.....	7,383.41	30,868	35,177	5,359	6,192	364	77,960
West Central							
Brantford.....	695.16	2,929	1,613	401	13	25	4,981
Burlington.....	124.59	523	4,351	204	21	50	5,149
Cayuga.....	371.91	1,392	593	209	893	22	3,109
Clinton.....	629.27	2,349	820	320	592	7	4,088
Dundas.....	347.43	1,697	2,322	239	2	16	4,276
Elmira.....	471.59	1,587	1,081	264	97	22	3,051
Guelph.....	369.99	1,283	1,103	147	16	4	2,553
Kitchener.....	486.24	1,742	2,506	379	177	32	4,836
Listowel.....	600.00	2,441	616	298	2	10	3,367
Mitchell.....	551.85	2,330	583	241	...	13	3,167
Simcoe.....	769.88	3,361	2,566	471	1,283	12	7,693
Stoney Creek.....	446.06	1,731	5,201	492	174	39	7,637
Stratford.....	301.04	1,249	586	155	...	10	2,000
Total.....	6,165.01	24,614	23,941	3,820	3,270	262	55,907

## RURAL OPERATING AREAS

## MILES OF LINE, NUMBER OF CUSTOMERS

as at December 31, 1954

Rural operating areas by regions	Miles of primary line	Number of customers					
		Farm	Hamlet	Com-mercial	Sum-mer	Power	Total
SOUTHERN ONTARIO SYSTEM							
Niagara							
Beamsville.....	355.90	2,125	1,594	295	112	30	4,156
Dunnville.....	266.73	1,036	698	233	999	10	2,976
St. Catharines.....	267.85	1,562	7,023	446	170	51	9,252
Welland.....	440.40	1,520	6,365	640	671	68	9,264
Total.....	1,330.88	6,243	15,680	1,614	1,952	159	25,648
Toronto							
Brampton.....	575.96	1,973	2,109	328	275	29	4,714
Markham.....	269.25	1,156	3,240	320	562	26	5,304
Richmond.....	286.55	976	5,094	527	230	44	6,871
Sutton.....	317.21	940	1,961	393	2,975	14	6,283
Woodbridge.....	378.43	1,273	2,248	415	115	46	4,097
Total.....	1,827.40	6,318	14,652	1,983	4,157	159	27,269
Georgian Bay							
Alliston.....	459.06	1,767	588	215	24	9	2,603
Bala.....	180.86	55	563	154	1,640	5	2,417
Barrie.....	480.74	1,379	2,231	409	3,142	17	7,178
Bracebridge.....	398.49	486	888	234	2,173	3	3,784
Cannington.....	439.50	1,105	807	224	2,180	8	4,324
Huntsville.....	509.76	597	1,399	335	1,764	16	4,111
Markdale.....	603.00	2,007	713	285	424	5	3,434
Orangeville.....	448.19	1,332	1,086	264	407	3	3,092
Orillia.....	413.44	785	771	331	2,222	5	4,114
Owen Sound.....	882.22	2,333	1,561	552	2,237	6	6,689
Parry Sound.....	337.58	266	1,116	242	747	6	2,377
Penetanguishene.....	459.90	984	949	310	3,478	6	5,727
Shelburne.....	696.17	2,214	337	221	18	...	2,790
Stayner.....	328.88	1,083	884	401	2,483	3	4,854
Uxbridge.....	466.22	1,481	979	248	1,017	5	3,730
Walkerton.....	798.63	2,861	825	366	509	9	4,570
Wingham.....	660.73	2,381	612	327	532	3	3,855
Total.....	8,563.37	23,116	16,309	5,118	24,997	109	69,649

**RURAL OPERATING AREAS**  
**MILES OF LINE, NUMBER OF CUSTOMERS**

as at December 31, 1954

Rural operating areas by regions	Miles of primary line	Number of customers					
		Farm	Hamlet	Com- mercial	Sum- mer	Power	Total
SOUTHERN ONTARIO SYSTEM							
East Central							
Bancroft.....	196.19	308	426	100	462	1	1,297
Belleville.....	221.47	782	2,234	266	53	16	3,351
Bowmanville.....	292.05	904	840	187	100	7	2,038
Cobourg.....	540.92	1,602	1,301	351	852	9	4,115
Fenelon Falls.....	477.34	996	648	334	2,452	11	4,441
Frankford.....	518.81	1,782	1,195	257	391	4	3,629
Kingston.....	738.46	2,028	2,697	561	982	19	6,287
Lakefield.....	390.77	598	765	264	1,506	1	3,134
Minden.....	388.22	362	1,349	387	2,004	4	4,106
Napanee.....	534.02	1,831	1,100	390	248	9	3,578
Norwood.....	303.06	782	368	124	663	4	1,941
Oshawa.....	266.57	873	2,202	289	233	14	3,611
Peterborough.....	591.59	1,696	1,695	351	765	12	4,519
Picton.....	438.48	1,695	1,229	317	559	11	3,811
Tweed.....	502.50	1,032	980	347	583	1	2,943
Total.....	6,400.45	17,271	19,029	4,525	11,853	123	52,801
Eastern							
Arnprior.....	347.29	869	963	258	839	17	2,946
Brockville.....	569.89	1,966	1,819	436	809	20	5,050
Cobden.....	895.49	1,884	2,897	725	599	23	6,128
Delta.....	411.55	978	649	266	926	3	2,822
Lancaster.....	533.85	1,926	988	398	192	14	3,518
Merrickville.....	221.35	667	566	107	117	4	1,461
Ottawa.....	664.18	2,327	4,383	594	350	39	7,693
Perth.....	720.94	1,615	815	314	1,111	1	3,856
Plantagenet.....	351.20	1,461	735	316	26	7	2,545
Vankleek Hill.....	206.79	852	462	168	61	9	1,552
Winchester.....	723.03	2,984	1,085	477	37	18	4,601
Total.....	5,645.56	17,529	15,362	4,059	5,067	155	42,172

**RURAL OPERATING AREAS**  
**MILES OF LINE, NUMBER OF CUSTOMERS**  
**as at December 31, 1954**

Rural operating areas by regions	Miles of primary line	Number of customers					
		Farm	Hamlet	Com- mercial	Sum- mer	Power	Total
NORTHERN ONTARIO PROPERTIES							
Northeastern							
Algoma .....	196.60	315	432	157	88	2	994
Kapuskasing .....	156.36	461	1,420	197	127	2	2,207
Kirkland Lake .....	87.88	65	167	61	191	1	485
Manitoulin .....	522.75	804	1,421	537	545	22	3,329
Matheson .....	479.71	1,019	946	221	254	10	2,450
New Liskeard .....	540.24	1,136	1,118	309	271	13	2,847
North Bay .....	611.42	1,035	2,187	490	837	22	4,571
Sudbury .....	482.93	885	7,831	568	674	31	9,989
Warren .....	421.45	995	1,113	381	286	6	2,781
Total .....	3,499.34	6,715	16,635	2,921	3,273	109	29,653
Northwestern							
Dryden .....	202.02	359	338	135	105	2	939
Fort Frances .....	480.04	935	667	270	54	5	1,931
Geraldton .....	35.55	...	260	97	4	9	370
Kenora .....	175.69	189	442	138	437	2	1,208
Port Arthur .....	810.17	1,840	1,975	347	778	7	4,947
Sioux Lookout .....	20.76	16	85	17	44	1	163
Total .....	1,724.23	3,339	3,767	1,004	1,422	26	9,558

**SUMMARY—MILES OF LINE, NUMBER OF CUSTOMERS**  
**as at December 31, 1954**

System and Region	Miles of primary line	Number of customers					
		Farm	Hamlet	Com-mercial	Sum-mer	Power	Total
SOUTHERN ONTARIO SYSTEM							
Western .....	7,383.41	30,868	35,177	5,359	6,192	364	77,960
West Central .....	6,165.01	24,614	23,941	3,820	3,270	262	55,907
Niagara .....	1,330.88	6,243	15,680	1,614	1,952	159	25,648
Toronto .....	1,827.40	6,318	14,652	1,983	4,157	159	27,269
Georgian Bay .....	8,563.37	23,116	16,309	5,118	24,997	109	69,649
East Central .....	6,400.45	17,271	19,029	4,525	11,853	123	52,801
Eastern .....	5,645.56	17,529	15,362	4,059	5,067	155	42,172
Total .....	37,316.08	125,959	140,150	26,478	57,488	1,331	351,406
NORTHERN ONTARIO PROPERTIES							
Northeastern .....	3,499.34	6,715	16,635	2,921	3,273	109	29,653
Northwestern .....	1,724.23	3,339	3,767	1,004	1,422	26	9,558
Total .....	5,223.57	10,054	20,402	3,925	4,695	135	39,211
Total—All systems .....	42,539.65	136,013	160,552	30,403	62,183	1,466	390,617

RURAL SERVICE, 1928 TO 1943, BEFORE ADOPTION OF PROVINCE-WIDE  
UNIFORM RATES AND NEW CLASSIFICATION

(Comparable Figures for Earlier Years Not Available)

Hamlet and House Lighting Service

Year	Revenue	Consumption	Customers	Monthly consumption per customer	Average cost per kwh
	\$	kwh	No.	kwh	cents
1928	530,407.00	10,702,031	17,585	50.7	4.95
1929	663,311.00	14,424,770	21,219	62.0	4.60
1930	757,558.00	17,815,987	25,013	64.2	4.25
1931	974,224.17	22,127,474	31,176	65.6	4.40
1932	1,075,081.03	24,654,386	33,368	63.3	4.36
1933	1,133,368.70	25,410,470	35,941	60.1	4.46
1934	1,149,876.67	27,768,460	37,466	63.0	4.14
1935	1,171,873.28	30,802,290	39,751	66.5	3.80
1936	1,239,010.83	35,666,241	43,014	71.8	3.47
1937	1,331,919.46	40,935,040	46,785	76.0	3.25
1938	1,439,681.39	47,612,820	52,514	79.9	3.02
1939	1,649,496.29	54,787,544	58,328	78.3	3.01
1940	1,812,550.53	60,839,240	62,973	80.5	2.98
1941	1,995,468.46	67,587,082	67,939	82.9	2.95
1942	2,118,911.57	72,613,472	69,766	87.9	2.92
1943	2,170,221.41	73,980,871	70,919	87.6	2.93

Farm Service

Year	Revenue	Consumption	Customers	Monthly consumption per customer	Average cost per kwh
	\$	kwh	No.	kwh	cents
1928	569,007.00	10,969,828	9,309	96	5.18
1929	777,736.00	16,022,842	12,605	121	4.85
1930	863,805.00	20,507,063	16,011	119	4.21
1931	1,128,554.28	25,716,141	20,796	116	4.39
1932	1,255,482.13	28,675,400	22,432	110	4.38
1933	1,309,122.96	30,062,194	23,283	109	4.35
1934	1,319,922.69	33,312,314	23,882	118	3.96
1935	1,343,222.39	37,667,453	25,357	128	3.57
1936	1,385,784.39	45,447,669	28,198	141	3.05
1937	1,366,484.50	54,858,240	35,508	144	2.49
1938	1,711,788.81	67,886,882	44,565	141	2.52
1939	2,090,259.14	81,613,087	53,240	139	2.56
1940	2,405,092.40	93,859,719	58,728	133	2.56
1941	2,690,250.37	107,061,610	63,304	141	2.51
1942	2,870,300.31	116,448,363	63,748	152	2.46
1943	2,934,011.31	121,428,714	64,292	158	2.42

The figures in the above tables relate to customers billed and service rendered during a twelve-month period ending in the fiscal year.

## APPENDIX IV

### ENGINEERING AND CONSTRUCTION

**D**URING 1954 there was a net increase of 367.33 circuit miles of transmission line in the Southern Ontario System and a net increase of 167.05 circuit miles in the Northern Ontario Properties. At the end of the year 15,785.21 circuit miles of transmission line were in service. The following table shows, by systems, the route and circuit miles of transmission line of each voltage and support structure in service at the end of 1953 and 1954.

#### TOTAL MILEAGE OF TRANSMISSION LINES AND CIRCUITS

Voltage and Structure	Line route or structure miles		Circuit miles	
	At Dec. 31, 1953	At Dec. 31, 1954	At Dec. 31, 1953	At Dec. 31, 1954
<b>SOUTHERN ONTARIO SYSTEM</b>				
230,000-volt. . . . . steel tower . . . . .	2,431.85	2,524.74	2,900.53	3,086.31
115,000-volt. . . . . steel tower . . . . .	1,477.08	1,538.49	2,299.03	2,366.27
115,000-volt. . . . . wood pole . . . . .	880.57	925.70	884.74	929.87
115,000-volt. . . . . underground cable . . . . .	4.88	4.88	8.83	8.83
60,000-volt. . . . . steel tower . . . . .	11.17	11.17	12.30	12.30
60,000-volt. . . . . wood pole . . . . .	2.66	2.66	2.66	2.66
44,000-volt. . . . . steel tower . . . . .	86.99	86.99	114.13	114.13
44,000-volt and less, wood and steel. . . . .	4,436.91	4,489.40	4,926.95	4,996.13
Total Southern Ontario System . . . . .	9,332.11	9,584.03	11,149.17	11,516.50
<b>NORTHERN ONTARIO PROPERTIES</b>				
132,000-volt. . . . . steel tower . . . . .	386.16	386.16	772.32	772.32
132,000-volt. . . . . wood pole . . . . .	268.54	268.54	268.54	268.54
115,000-volt. . . . . steel tower . . . . .	298.60	365.50	512.66	592.51
115,000-volt. . . . . wood pole . . . . .	717.61	718.59	717.61	718.59
69,000-volt. . . . . wood pole . . . . .	203.72	203.72	203.72	203.72
44,000-volt and less, wood and steel. . . . .	1,513.27	1,611.40	1,626.81	1,713.03
Total Northern Ontario Properties. . . . .	3,387.90	3,553.91	4,101.66	4,268.71
Total—All systems. . . . .	12,720.01	13,137.94	15,250.83	15,785.21

NOTE: Circuit miles of 230,000-volt line in the Province of Quebec connected to Ontario Hydro lines= 103.47 miles, making a total system interconnected mileage of 3,189.78.

## COMMUNICATIONS

### Telephone

Considerable progress was made in the program of co-ordinating the Commission's voice communication facilities with those of The Bell Telephone Company in accordance with the agreement negotiated in 1952. Where the use of the company's facilities relieves the Commission of the necessity of building new lines, the savings are substantial; where company facilities duplicate Commission facilities, economies can be effected by eliminating the duplication. The effect of this program is reflected largely in the retirement of 72 miles of telephone circuit from service in the Southern Ontario System.

A total of 11 miles of telephone circuit was erected and 3.82 miles of telephone control cable were rehabilitated. Fifteen miles of cable were placed under gas pressure. Rehabilitation was carried out on 27 miles of telephone circuit in the Southern Ontario System and on 37 miles in the Northern Ontario Properties.

Private automatic exchanges were installed at Abitibi Canyon Generating Station and, for the purpose of construction activities, at Manitou Falls Generating Station. Improved facilities were also installed at Port Arthur Transformer Station No. 1 and at Ear Falls and Cameron Falls Generating Stations. A voice carrier channel was installed between Cameron Falls Generating Station and Port Arthur Transformer Station No. 1.

### Telemetry and Load Control

In the Southern Ontario System a load-control console was placed in service at J. Clark Keith Generating Station and a remote annunciation system was installed between Pleasant and A. W. Manby Transformer Stations.

A variety of telemetry and load-control equipment was installed in the power supervisor's office, Toronto, including two permanent tie-line recorders and a recorder for the total generation of Sir Adam Beck-Niagara Generating Station No. 2, an annunciator cabinet, and impulse-routing control equipment for automatic load-control. Forty-six frequency-type telemetry and load-control channels were established between the power supervisor's office and Richview Switching Station, Niagara Transformer Station, and E. V. Buchanan Transformer Station.

### Power-Line Carrier Facilities

The power-line carrier network was expanded to provide the channels required for line and station arrangements associated with general system expansion. New terminals were installed and existing terminals altered to accommodate the initial operation of Sir Adam Beck-Niagara Generating Station No. 2 and the establishment of Richview Switching Station, a channel for remote-trip between Essa and Detweiler Transformer Stations, and a channel for high-speed protection of the 230-kv, 25-cycle line interconnecting A. W. Manby, Toronto-Leaside, and Burlington Transformer Stations.

Included in these arrangements were six two-ended relay-carrier channels, three three-ended relay-carrier channels, one two-ended transferred-trip channel, four voice-duplex channels, and four telemetering and load-control channels.

Coupling capacitors for three-phase potential and carrier-current facilities were provided for four 230-kv lines at Sir Adam Beck-Niagara Generating Station No. 2, four 230-kv lines at Richview Switching Station, one 230-kv line at Detweiler Transformer Station, and for one 115-kv line at Pine Portage Generating Station. Coupling capacitors for three-phase potential only were provided at Crystal Falls Generating Station on the 115-kv line to Otto Holden Generating Station, and at Richview Switching Station on two 230-kv lines to A. W. Manby Transformer Station.

Normal-emergency power supply facilities for alternating-current-operated carrier equipment were installed at Essa Transformer Station and Richview Switching Station.

#### **Radio**

Radio facilities were extended to include the installation of 29 strategically located frequency-modulation fixed radio stations and 72 mobile radio units in the Southern Ontario System. Fixed stations were installed at Manitou Falls and Ear Falls Generating Stations to provide a voice-duplex circuit during construction at Manitou Falls.

## APPENDIX V—LEGISLATIVE

THERE were no Acts respecting The Hydro-Electric Power Commission of Ontario passed at the 1954 Session of the Legislative Assembly of Ontario.

### ORDER IN COUNCIL

The agreements between The Hydro-Electric Power Commission of Ontario and municipalities, persons, and corporations mentioned in the list hereunder given were approved by Order in Council.

TOWNS		
Hawkesbury.....	Nov. 19, 1954	
Orillia.....	June 15, 1954	
VILLAGES		
Alfred.....	Feb. 22, 1954	
Grand Bend.....	July 21, 1954	
TOWNSHIPS		
Albion.....	June 25, 1954	
Alfred.....	Feb. 1, 1954	
Asphodel.....	July 21, 1954	
Bruce.....	Apr. 20, 1954	
Colchester South.....	Oct. 18, 1954	
Coleman.....	Sept. 13, 1954	
Essa.....	Dec. 8, 1954	
Etobicoke.....	Jan. 18, 1954	
Galway and Cavendish.....	May 10, 1954	
Harwich.....	Dec. 13, 1954	
Himsworth North.....	Jan. 19, 1954	
Lancaster.....	Dec. 13, 1954	
McNab.....	Jan. 12, 1954	
Montague.....	Mar. 5, 1954	
Mornington.....	Apr. 6, 1954	
Nelson.....	July 21, 1954	
Pelee.....	Nov. 16, 1954	
Scarborough.....	Mar. 15, 1954	
Widdifield.....	Dec. 13, 1954	
Wilmot.....	Aug. 20, 1954	
York North.....	Jan. 11, 1954	
IMPROVEMENT DISTRICT		
Longlac.....	Mar. 22, 1954	

## CORPORATIONS

Aluminum Company of Canada, Limited	Nov. 29, 1954
Atomic Energy of Canada Limited	May 14, 1954
Best Yeast Limited	June 16, 1954
Bethlehem Mines Corporation	June 1, 1954
Canadian Gypsum Company Limited	Apr. 20, 1954
Canadian International Paper Company	Nov. 29, 1954
Cobalt Consolidated Mining Corporation Limited	Jan. 22, 1954
Consolidated Sand and Gravel, Limited	Dec. 23, 1953
Consolidated Sand and Gravel, Limited	Dec. 23, 1953
Dome Mines Limited	Jan. 12, 1954
Dominion Magnesium Limited	Sept. 1, 1954
Gair Company Canada, Limited	June 14, 1954
Her Majesty the Queen in right of Canada, represented by the Minister of Transport	Mar. 10, 1954
Her Majesty the Queen in right of the Province of Ontario, represented by the Minister of Public Works for the Province of Ontario	Dec. 8, 1954
Imperial Chemical Industries of Canada Limited	Feb. 1, 1954
Imperial Oil Limited	Feb. 22, 1954
Imperial Oil Limited	Feb. 22, 1954
KVP Company Limited	Mar. 5, 1954
Lionite Abrasives Limited	Jan. 12, 1954
Little Long Lac Gold Mines Limited	June 18, 1954
Matachewan Consolidated Mines Limited	Aug. 23, 1954
Noranda Mines, Limited	Jan. 22, 1954
North American Cyanamid Limited	Apr. 20, 1954
Page-Hersey Tubes, Limited	Mar. 15, 1954
Pembroke Electric Light Company Limited	Dec. 28, 1954
Pronto Uranium Mines Limited	Nov. 15, 1954
Robin Hood Flour Mills Limited	July 21, 1954
Roe, A. V., Canada Limited	Apr. 20, 1954
Roe, A. V., Canada Limited	Apr. 20, 1954
Roe, A. V., Canada Limited	Oct. 1, 1954
Silver-Miller Mines Limited	July 30, 1954
Siscoe Vermiculite Mines Limited	Jan. 19, 1954
Steel Company of Canada, Limited	Aug. 20, 1954
Trans-Canada Air Lines	Jan. 22, 1954
Union Carbide Canada Limited	June 21, 1954

LIST OF ABBREVIATIONS

A. F. of L.	—American Federation of Labour	kwh	—kilowatt-hour(s)
d-c	—direct current	min	—minimum
D.S.	—Distributing Station		—minute (20-min)
G.S.	—Generating Station	N.O.P.	—Northern Ontario Properties
H-E.P.C.	—The Hydro-Electric Power Commission of Ontario	P.U.C.	—Public Utilities Commission
hp	—horsepower	R.O.A.	—Rural Operating Area
Imp. Dist.	—Improvement District	S.O.S.	—Southern Ontario System
Jct.	—Junction	S.S.	—Switching Station
kv	—kilovolt(s)	T.S.	—Transformer Station
kva	—kilovolt-ampere(s)	Twp.	—Township
kW	—kilowatt(s)	U.S.	—United States
		V.A.	—Voted Area

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- C =Statement "C"—Rates for Electrical Service in Municipalities
- D =Statement "D"—Customers, Revenue, and Consumption in Municipalities
- L =Statement of Loads of Systems in Municipalities
- P =Statement of Cost of Power
- S =Statement of Sinking Fund Equity

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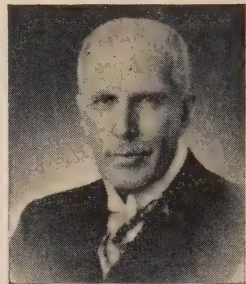




# CHAIRMEN

## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

1906 - 1956



CHARLES A. MAGRATH  
1925-1931



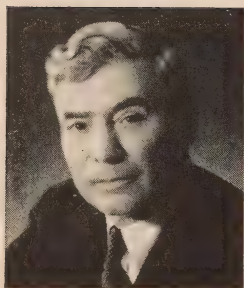
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1931-1934



T. STEWART LYON  
1934-1937



SIR ADAM BECK  
1906-1925



DR. T. H. HOGG  
1937-1947



ROBERT H. SAUNDERS  
1948-1955



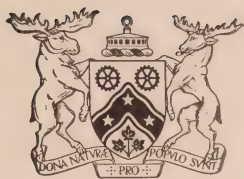
DR. RICHARD L. HEARN  
1955-

## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

1906 - 1956

In this jubilee year which marks the completion of fifty years of Hydro progress in Ontario, there is cause to recall with pride the vision and perseverance of the enterprising pioneers who laid the foundations for the Commission's activities. Upon the sure basis which they established, the Hydro undertaking has risen to heights of accomplishment of which the founders too might well be proud. Honour is due also to all those who by their faithful service have contributed to the Commission's success during the past fifty years.





# The Hydro-Electric Power Commission of Ontario

*Forty-Eighth*  
**Annual Report**  
*for the Year*  
**1955**

This Report is published pursuant to The Power Commission Act,  
Revised Statutes of Ontario, 1950, Chapter 281, Section 9.



# THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

December 1955

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*Vice-Chairman*

W. ROSS STRIKE, Q.C.  
*Vice-Chairman*

LT.COL. A. A. KENNEDY, D.S.O., E.D.  
*Commissioner*

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OTTO HOLDEN, B.A.Sc., C.E., D.ENG.  
*Chief Engineer*

ERNEST B. EASSON, B.COM.  
*Secretary*



## LETTER OF TRANSMITTAL

TORONTO, ONTARIO, JUNE 29, 1956

THE HONOURABLE LOUIS O. BREITHAAPT, LL.D.

*Lieutenant-Governor of Ontario*

SIR:

As Chairman of The Hydro-Electric Power Commission of Ontario I have the honour to present the Annual Report relative to the year ended December 31, 1955.

On May 14, 1956 at a celebration arranged, with considerable appropriateness, in the city of Kitchener the Commission joined with the Ontario Municipal Electric Association and the Association of Municipal Electrical Utilities to mark the completion of the Commission's first fifty years. A large part of the year 1955, of course, fell within the jubilee year. I am sure that those who study this Report will understand the sense of pride which my colleagues on the Commission and I, and indeed the whole Commission staff, feel in the achievement of Ontario Hydro's first half-century of progress and service.

It is a pleasure to have associated with me at this time as Commissioners the Hon. W. K. Warrender, Mr. W. Ross Strike, and Lt.-Colonel A. A. Kennedy. Their combined wisdom and practical experience have been most valuable in guiding the affairs of Hydro in the past year.

Under the continuing pressure of increasing power demands the Commission's plans for expansion of the systems are being steadily extended. During 1955 the net increase in dependable peak capacity, all systems, was 395,450 kilowatts, or 9.6 per cent. With demands up by 14.3 per cent during the year, however, the margin of power reserve was somewhat reduced. Of particular interest is the rapid increase in power requirements in northwestern Ontario where further substantial load growth is expected in the immediate future. Units at Manitou Falls Generating Station are already in service and plans are under way to install

the fifth unit for which provision was made in the headworks. New power resources planned or under construction include extensions to Alexander and Cameron Falls Generating Stations on the Nipigon River, and the development of sites at Whitedog Falls on the Winnipeg River and at Caribou Falls on the English River. As facilities are developed for integrating the new resources into the Northwestern Division, discussions with the Manitoba Hydro-Electric Board have been carried forward with a view to interconnecting the two Provincial systems. Such an interconnection would provide to the Board and to the Northwestern Division mutual advantages similar to those at present available to the interconnected systems of the Commission on the one hand and of The Detroit Edison Company and the Niagara Mohawk Power Corporation on the other. These advantages include increased system security as well as the opportunity for the advantageous disposal of quantities of surplus energy.

Gratifying progress is being maintained in construction of the St. Lawrence Power Project. The achievements of Ontario Hydro in this regard are recorded in the pages of this Report. On the Commission's behalf, I should like to express our thanks to a number of agencies without whose co-operation those achievements would not have been possible. The plans and schedules of the Power Authority of the State of New York have been harmoniously integrated with our own. The innumerable construction problems inevitable in so complex an undertaking have been solved by the associated construction agencies and the representatives of the labour unions with a minimum of difficulty and delay. Government bodies at national, provincial or state, and municipal levels have facilitated the carrying out of the work of rehabilitation, relocation, and construction.

At Sir Adam Beck-Niagara Generating Station No. 2 the decision to proceed with the installation of the thirteenth and fourteenth units was made very shortly after the twelfth was placed in service. Early in the new year the fifteenth and sixteenth units were added to the construction program. The four additional units, like those already in service, will be operated in conjunction with the pumped-storage scheme associated with this station. Together with an additional 200,000-kilowatt unit to be installed at Richard L. Hearn Generating Station these facilities will add materially to the Commission's power and energy resources in 1957 and 1958. By the middle of 1958 power should be available in gradually increasing quantity from the St. Lawrence.

All indications are that after the completion of the St. Lawrence Power Project the Commission must turn increasingly to thermal-electric resources to meet advancing power requirements. The extent to which nuclear resources will contribute to the future supply of the Commission's needs will depend to some degree on experience in the operation of the 20,000-kilowatt Nuclear Power Demonstration plant (NPD) to be constructed near Des Joachims Generating Station. This project undertaken in co-operation with Atomic Energy of Canada Limited and the Canadian General Electric Company Limited will be the first plant of its kind in Canada. The capacity of the NPD station will be small by comparison with that of stations already operating or under construction in Great Britain and the United States. Nevertheless, it will provide invaluable

experience in the design and operation of plant and equipment to meet the novel conditions of nuclear power production. Initially power produced by the use of nuclear fuel is not expected to be competitive with power produced by the use of conventional fuels. There is every justification, however, for our continuing to plan for the long term on the assumption that nuclear power will be economical for base-load operation within ten years.

Seen against the background of the very large programs that lie ahead, the task of frequency standardization in the Southern Ontario System begins to assume a less formidable appearance than it had seven years or more ago. This is due in part to the smoothness and expedition with which the work has been and is being carried out. The magnitude of the whole operation is considerably greater than was at first estimated, and with the continuing increase in cost of materials and labour the total cost must inevitably be higher than was foreseen at the beginning. Every device and technique that will serve to restrict this total cost is being sought and used by the Commission.

The Report speaks for itself as a record of the Commission's achievements in detail during 1955—the growth of 72,977 in number of ultimate customers served, and the increase of 18.6 per cent in total energy generated and purchased. Service to the rural power district was extended by the net addition of 1,312 miles of primary distribution lines. At the end of 1955 a total of 418,836 customers were being served through rural facilities, 138,648 being farm service customers. The Commission's gross revenues of \$165,832,964 during 1955 were \$18,879,629 higher than revenues in 1954. Since revenues from the cost-contract municipal utilities, in particular, exceeded the cost of providing service by \$3,855,482, this amount was returned to them in year-end adjustments in the cost of power.

While it is our privilege as commissioners and members of the staff in this jubilee year to accept the many tributes of approval that have been paid to Ontario Hydro, we are keenly aware of the debt which we and all the beneficiaries of Hydro owe to those who have preceded us during the past fifty years. The Province as a whole may well be proud of their accomplishments. The members of the staff today, no less than their predecessors of earlier years, are facing challenging problems. Like them, they enjoy the satisfaction that stems from a responsibility well fulfilled. The Commission is grateful for the continued loyal service of its staff and for the splendid leadership given by Mr. A. W. Manby and Dr. Otto Holden. We are confident that the problems of the future are in well-qualified hands.

Respectfully submitted,

R. L. HEARN,  
*Chairman.*

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FORTY-EIGHTH ANNUAL REPORT  
OF  
**The Hydro-Electric Power Commission  
of Ontario**

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**FOREWORD**

**T**HE Hydro-Electric Power Commission was established in May 1906 by an enactment of the Ontario Legislature. Nearly eight months of 1955, therefore, were included in the jubilee year which reaches its conclusion before the publication of this Report. Together with the municipalities that contributed to the early development of the Hydro enterprise, and with all who now participate in its activities, the Commission shares a sense of pride and gratification on the completion of this half-century of service and progress.

The Provincial "Act to Provide for the Transmission of Power to Municipalities" received Royal assent on May 14, 1906. Under the Act The Hydro-Electric Power Commission of Ontario was granted authority to carry out the recommendations of earlier advisory commissions appointed in response to public demand that the water powers of Ontario should be conserved and developed for the benefit of the people of Ontario. The Commission now operates under the authority of The Power Commission Act (7-Edward VII, c. 19) passed in 1907 as an amplification of the Act of 1906 and subsequently modified by numerous amending acts. (Revised Statutes of Ontario, 1950, c. 281, as amended.) The Commission is a corporate entity, a self-sustaining public concern endowed under The Power Commission Act with broad powers to produce, buy, and deliver electricity throughout the Province and to exercise certain regulatory functions with respect to the large group of municipal electrical utilities which it serves. The enterprise administered by the Commission is generally referred to as Ontario Hydro.

An amendment to The Power Commission Act, passed at the 1955 session of the Legislature, enlarged the membership of the Commission and stipulated that it shall consist of at least three and not more than six members. Appointment is made by the Lieutenant-Governor in Council. Two commissioners may be members, and one must be a member, of the Executive Council of the Province of Ontario. In the conduct of the Commission's affairs, the commissioners are responsible for, and are the final authority in establishing policy.

### **Systems**

For the financial and administrative purposes of the Commission, the Province is divided into two parts. That part lying south of a line drawn approximately west from Mattawa on the upper Ottawa River to Georgian Bay is served by the Southern Ontario System, which comprises the Niagara, Georgian Bay, and Eastern Ontario Divisions; the part lying to the north is served by the Northern Ontario Properties, with a Northeastern and a Northwestern Division. The total area is, for administrative purposes, subdivided into nine regions, seven in the south and two in the north, with regional offices located strategically in nine major municipalities. The Southern Ontario System is a fully integrated power system. In the Northern Ontario Properties each of the two regions, which at present correspond with the two divisions, is an integrated power system as the result of the gradual consolidation of several formerly isolated systems. There is no interconnection between the Northeastern and Northwestern Divisions, but there are facilities for the interchange of power between the Northeastern Division and the Southern Ontario System.

### **Financial Features**

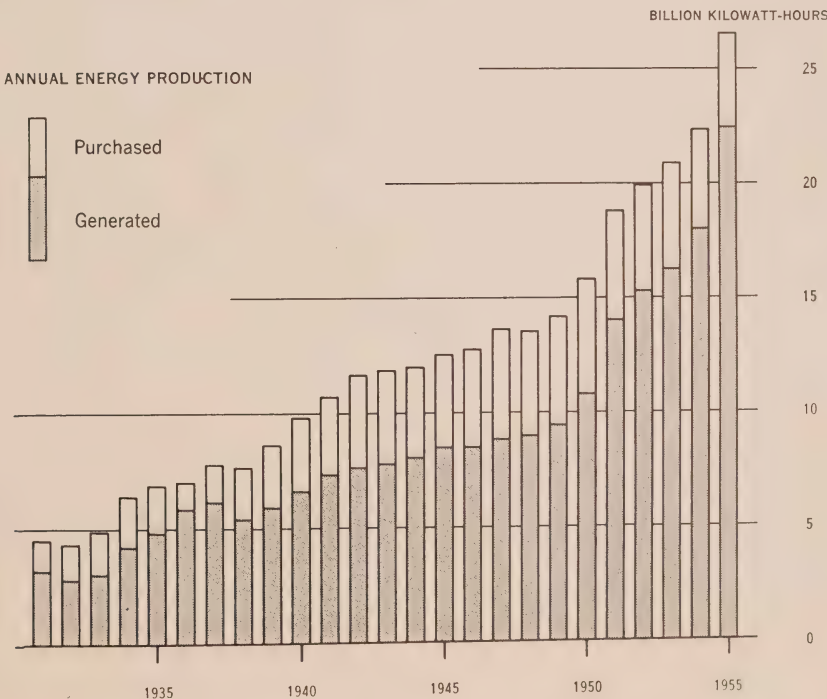
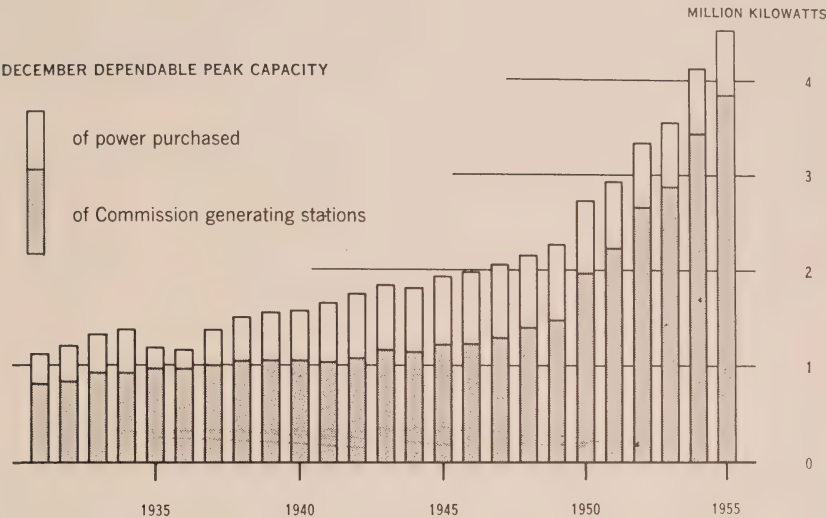
The undertaking as a whole involves two distinct phases of operations as follows:

The first phase of operations is the provision of electricity—either by generation or purchase—and its transformation, transmission, and delivery in wholesale quantities to municipal electrical utilities, certain large industrial customers, and rural operating areas. This phase of operations is performed by The Hydro-Electric Power Commission of Ontario.

The second phase is a retail operation. In most cities and towns, and in many villages and certain township areas, retail distribution of electricity is conducted by municipal commissions under the general supervision of The Hydro-Electric Power Commission of Ontario as provided for in The Power Commission Act and The Public Utilities Act. These local commissions own and operate their own distribution facilities. In a small group of municipalities, The Hydro-Electric Power Commission of Ontario owns the distribution facilities and conducts retail distribution through what are called local systems. Throughout most of rural Ontario, the Commission, on behalf of the respective townships, operates the distribution facilities and attends to all physical and financial operations connected with the retail distribution of electricity to the customers in the rural operating areas. Since 1944 the rate structure applying

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TOTAL POWER RESOURCES AND ENERGY PRODUCTION



to rural customers designated as farm, hamlet, commercial, and summer service has been uniform throughout the Province.

The basic principle governing the financial operations of the undertaking and its associated municipal electrical utilities is that electrical service is provided at cost. In the Commission's total cost of operation the following are included: the payment for power purchased, the cost of operating and maintaining the power systems, and related fixed charges. The fixed charges, in addition to interest, and reserve provisions for depreciation and for contingencies and rate stabilization, include a provision for a sinking fund reserve for the retirement of the Commission's capital debt.

In the application of the basic principle of supplying electrical service at cost, the municipal utilities are billed each month at interim rates established in accordance with estimates of the cost of providing service. At the end of the year, when the actual cost of providing service is known, the necessary credit or debit adjustments are made in the accounts of those on whose behalf the systems are operated. Of these, the cost-contract municipalities are predominant in the Southern Ontario System, but represent a relatively small part of the Northern Ontario Properties, which are largely held and operated in trust for the Province of Ontario.

The enterprise from its inception has been self-supporting apart from the assistance provided by the Provincial Government for 50 per cent of the capital cost of rural distribution facilities. The provision of this part of rural capital is undertaken in pursuance of the Province's long-established policy of assisting agriculture. The Province also guarantees the payment of principal and interest of all bonds issued by the Commission and held by the public.

#### **Annual Summary—1955**

During 1955 construction activities were carried on at three principal locations, the St. Lawrence Power Project, Sir Adam Beck-Niagara Generating Station No. 2, and Manitou Falls on the English River.

At the St. Lawrence Power Project the Commission, in association with the Power Authority of the State of New York and with the co-operation of the Governments of Canada and the United States, is engaged in developing the power features of a combined power and navigation scheme. The St. Lawrence River is the last major site in southern Ontario available to the Commission for hydro-electric development. Excellent progress was maintained in all the widely varied construction and rehabilitation aspects of the project. Following the completion of cofferdams and the dewatering of the powerhouse site, extensive excavation operations in this area were carried out by both power entities. Meanwhile, the work of relocating power and transportation facilities, and indeed whole communities, beyond the limits of the area to be flooded was proceeding according to plan. At the end of the year 2,528 persons were engaged in various aspects of the Commission's part of the work.

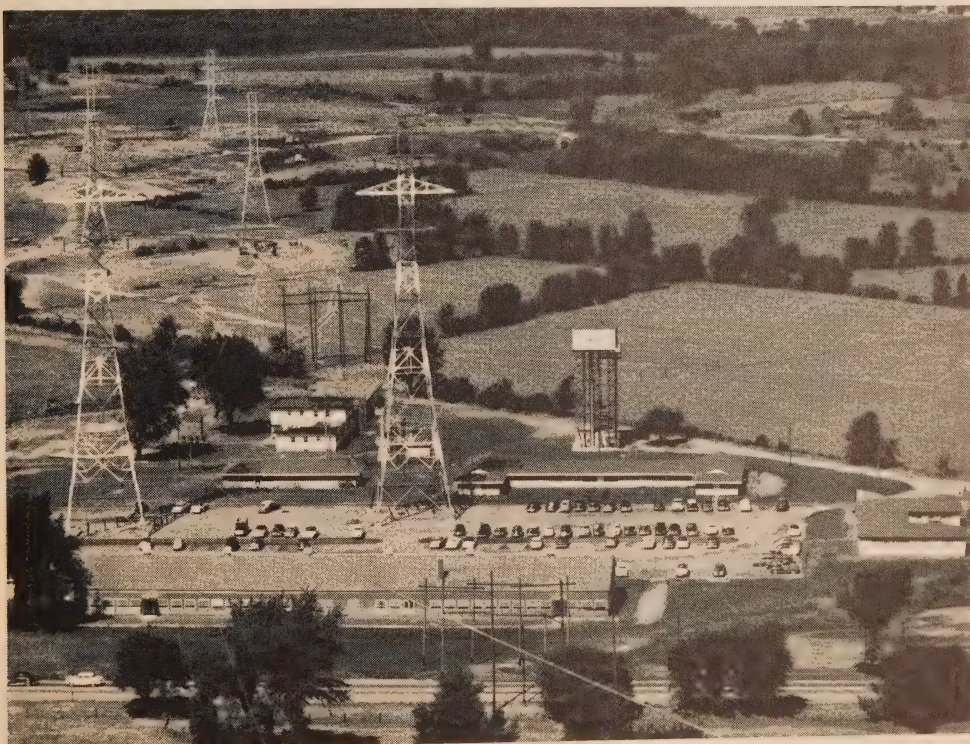
At Sir Adam Beck-Niagara Generating Station No. 2 the twelfth unit was placed in service at the main generating station on August 8 and construction was continuing at the pumping-generating station associated with this development.

Manitou Falls Generating Station on the English River was approaching completion at the end of the year and construction was under way for the access road to a new development at Whitedog Falls on the Winnipeg River. Negotiations have been carried on with the Manitoba Hydro-Electric Board with regard to the operation of these stations and the eventual interconnection of the Northwestern Division and their system.

The Commission in 1955, following studies carried out in conjunction with Atomic Energy of Canada Limited, undertook to share with this Crown company and with the Canadian General Electric Company Limited in the development of a nuclear power demonstration plant near Des Joachims Generating Station. The proposed station, the first nuclear power project in Canada, will have a capacity of 20,000 kilowatts. It will provide experience in design and operation, which is essential for the future development of nuclear energy for electrical purposes.

The program of frequency standardization was accelerated during 1955 with the result that at December 31 the equipment of 617,260 customers, or more than half the total number involved, had been changed over from 25-cycle to 60-cycle frequency.

The dependable peak capacity of the Commission's resources, generated and purchased, all systems, was 4,530,500 kilowatts, an increase of 9.6 per cent



**ST. LAWRENCE POWER PROJECT**—The main administration area is dominated by the 240-foot suspension towers for the transmission line crossing the St. Lawrence River. In the foreground are the administrative buildings. Towards the back of the area, and framed by the towers, is the Project Hospital.



#### WHITEDOG FALLS, WINNIPEG RIVER

The site of a new 54,000-kilowatt hydro-electric development

over 1954. With power demands up by 14.3 per cent, the reserves available in 1955 were somewhat less than in 1954. Energy generated and purchased was 26,555,108,406 kilowatt-hours for the year, and delivery was made in wholesale quantities to 373 municipal distribution systems, to 196 direct industrial customers, and to 105 rural operating areas.

The total number of customers served directly or indirectly by the Commission was 1,540,011.

For the past three years studies of the Commission's retail rate structures have been carried out in co-operation with the rates committee of the Association of Municipal Electrical Utilities. A recommendation for the gradual adoption of a revised structure will be put into effect beginning January 1, 1956.

The Commission's gross annual revenues increased by 12.8 per cent to \$165,832,964 in 1955.

At the end of 1955 the Commission's total assets were \$1,788,279,899 after deducting accumulated depreciation of \$171,450,509.

The total staff employed by the Commission at the end of 1955 was somewhat lower than in 1954. Of the 17,084 persons employed, 13,508 were regular staff and 3,576 were temporarily employed, for the most part on the construction of power projects.

## GUIDE TO THE REPORT

Details of the Commission's activities which have been briefly summarized in the foregoing paragraphs are given in the eight sections and five appendices of the Report which follow. Operations, finance, customer relations, and frequency standardization are the subjects of the first four sections and their related appendices. The narrative in Section I dealing with the production, purchase, and delivery of power is supplemented in the text by reports on weather conditions, maintenance, and forestry, all of which are related to operations. Supplementary tables are in Appendix I. Section II includes the Commission's balance sheets, statements of financial operations, and tables showing the funded debt and advances from the Province of Ontario. Appendix II includes supporting schedules and accounts in addition to the statements of reserves, sinking fund equity, and cost of power. In Section III consideration is given first to the supply of power in wholesale quantities to municipal and direct industrial customers and to the rural power district. Subsequently the retail aspects of service to customers in the rural operating areas are treated in some detail under the heading Rural Electrical Service and in Appendix III. Another subsection of Section III, in the form of reports from the regions, deals with certain activities of municipal utilities. Many of these activities have involved participation by, or the assistance of, members of the Commission's staff. Frequency standardization is the subject of Section IV, but the financial aspects of this project are included in Section II with the discussion of financial activities in general.

Engineering and construction activities are discussed in the two sections that follow. Section V and its associated Appendix IV deal with the planning and construction of facilities for the delivery of power. They include descriptions of the more important construction projects and statistics relative to these and other facilities for the generation, transformation, and delivery of power. Section VI contains reports on the progress of some of the investigations being conducted by members of the Commission's Research Division.

Section VII deals with aspects of employee relations. Appendix V deals with legislation relative to the Commission's affairs, and reports on other legal matters.

The largest section in the Report, Section VIII, is entitled Municipal Electrical Service. It comments briefly on the retail operations and financial status of the municipal electrical utilities. The commentary on retail operations, however, includes those services provided by the Commission through Commission-owned local systems. The four statements that complete the section give balance sheets, operating statements, rates, and other statistical information relating to services in the municipalities supplied by the Commission. The first two statements include only the municipal utilities; the others include also the local systems.

## SECTION I

### OPERATION OF THE SYSTEMS

**Y**EAR by year, demands for electricity continue to increase substantially with advances in the economy as a whole. New records are established with such unfailing regularity as to be taken almost for granted. There are, however, many aspects of interest in the developing complexity of the systems set up to meet these growing demands.

The year 1955 brought more than the accustomed increases in demands, the Commission's total power requirements being 14.3 per cent greater than in 1954. The year also brought conditions of water supply which, for the Commission's predominantly hydro-electric systems, were distinctly unfavourable. These unfavourable conditions, prevailing over a wide area, affected most of the Commission's large stations and also those of Quebec suppliers. The problems of supply were further complicated by the increased demands of certain industrial customers in northeastern Ontario whose own generating facilities were similarly affected.

At the end of 1954, even with two units at Richard L. Hearn Generating Station out of service, power resources provided a reasonable margin of reserve over requirements. During 1955 the two units at Richard L. Hearn Generating Station were returned to service, and five units were added to Sir Adam Beck-Niagara Generating Station No. 2. These, together with a fourth unit placed in service at Pine Portage Generating Station on December 30, 1954, represent increases in capacity over 1954 levels. The total dependable peak capacity, all systems, was up by 9.6 per cent from 4,135,050 kilowatts in 1954 to 4,530,500 kilowatts in 1955, but in view of the considerably greater increase in requirements the margin of reserve was somewhat reduced. A total of 65 hydro-electric and five thermal-electric generating stations were operated in 1955. Their combined output was 22,468,248,217 kilowatt-hours, an increase of 24.3 per cent over the total

generated in 1954. Sources of purchased power supplied 4,086,860,189 kilowatt-hours, or 15.4 per cent of the total net output of all resources, which amounted to 26,555,108,406 kilowatt-hours. This total net output exceeded the net output for 1954 by 18.6 per cent.

#### **Stream-Flow and Storage Conditions**

At the beginning of the year excellent stream-flow and storage conditions prevailed throughout the Commission's operating systems. Flows were moderately good during the first quarter of the year but the spring freshet, beginning in early April in the south and in late April in the northwest, did not last long in the absence of spring rains. Although storage improved, most major reservoirs failed to reach completely satisfactory levels. Throughout the summer months rainfall was below normal and water reservoirs had to be strictly regulated. Below-normal stream-flows reduced the output of most stations, in particular those on the Ottawa River. The supply of water for downstream stations on this river is regulated at Lake Timiskaming by the Department of Transport. Conservation measures taken there with the agreement of those using the water brought about a further reduction in flow on the Ottawa River and established the lowest August flow in forty years.

Fortunately extremely heavy rains in October brought about a marked improvement in stream-flows. By the end of the month most reservoirs, both in the Southern Ontario System and in the Northeastern Division, were restored to more satisfactory levels, and favourable storage conditions continued to the end of the year. In the Northwestern Division there was some improvement in natural flows during November but not sufficient to re-establish normal flow and storage conditions.

### **SOUTHERN ONTARIO SYSTEM**

Principally as the result of the placing in service of additional units at Sir Adam Beck-Niagara Generating Station No. 2 and the return to service of units at Richard L. Hearn Generating Station, the December dependable peak capacity of the Southern Ontario System was increased from 3,544,250 kilowatts in 1954 to 3,913,500 kilowatts in 1955.

In order to comply with the requirements of the Niagara Diversion Treaty, operating procedures were modified as units were added at Sir Adam Beck-Niagara Generating Station No. 2. In order to make the most productive use of the water available, loads were reduced at the less efficient Niagara River stations, at "Toronto Power" Generating Station beginning in the latter part of June, and at the "Ontario Power" Generating Station beginning in July. Beginning in September the Commission's more efficient stations made use of water normally used at the Canadian Niagara Power Company's Rankine Generating Station. Energy equivalent to the water so used was returned to the Company.

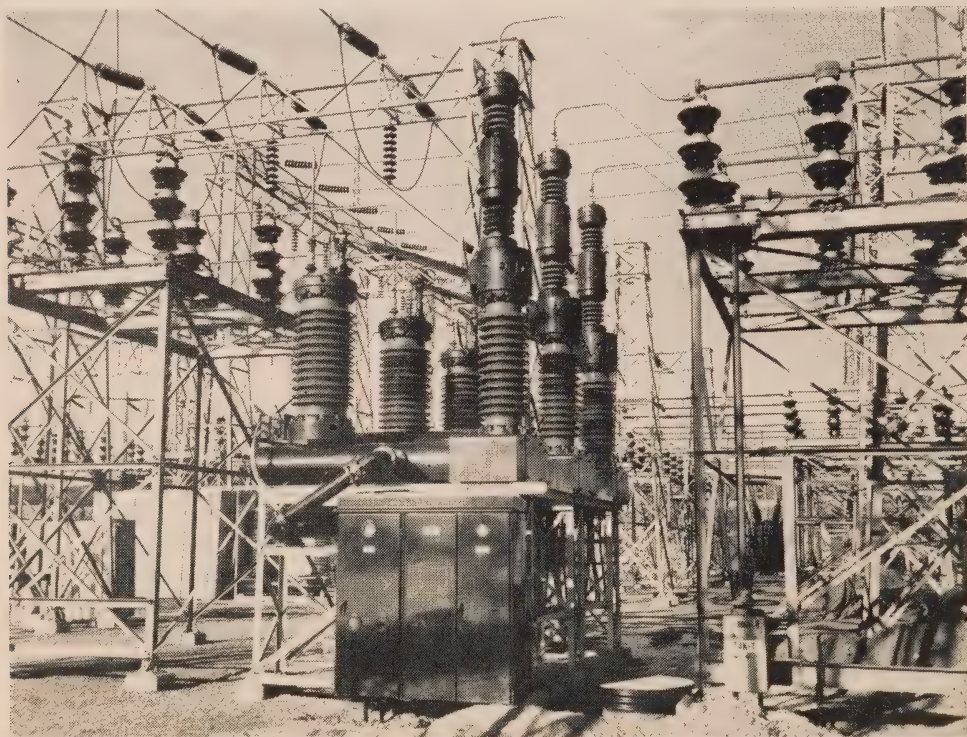
A new 230-kv, 60-cycle interconnection across the Niagara River was placed in service on May 2, providing an additional link between the Southern Ontario System and the Niagara Mohawk Power Corporation. Present facilities permit Ontario Hydro to operate for extended periods in parallel not only with Niagara

Mohawk Power Corporation and other systems in the eastern United States, but also with The Detroit Edison Company. In this way, and with improved interconnection with the Northeastern Division, the most economical use is made of surplus energy on the combined systems.

#### **Operating Conditions**

The Commission's Quebec suppliers were seriously affected by the stringency of the water shortage. Reductions in energy deliveries were being made as early as the middle of July. Even after the water situation improved in October, certain reductions were continued until the end of the year with the purpose of storing water for eventual use later in the winter period.

By mutual agreement with Ontario Hydro, the Quebec Hydro-Electric Commission reduced its deliveries from Beauharnois during January and February and again in December. Late in December and for the most part continuously through the remaining working days of the year, Ontario Hydro delivered the output of four 60-cycle units at Chats Falls Generating Station to the Quebec Commission under an arrangement to supply 80,000 kilowatts during the period December 15 to February 29, 1956. While this 60-cycle assistance was being afforded to the Quebec Hydro-Electric Commission, the MacLaren-Quebec Power Company, though reducing its energy deliveries at the time, assisted Ontario Hydro by supplying power in excess of contract during peak-load periods.

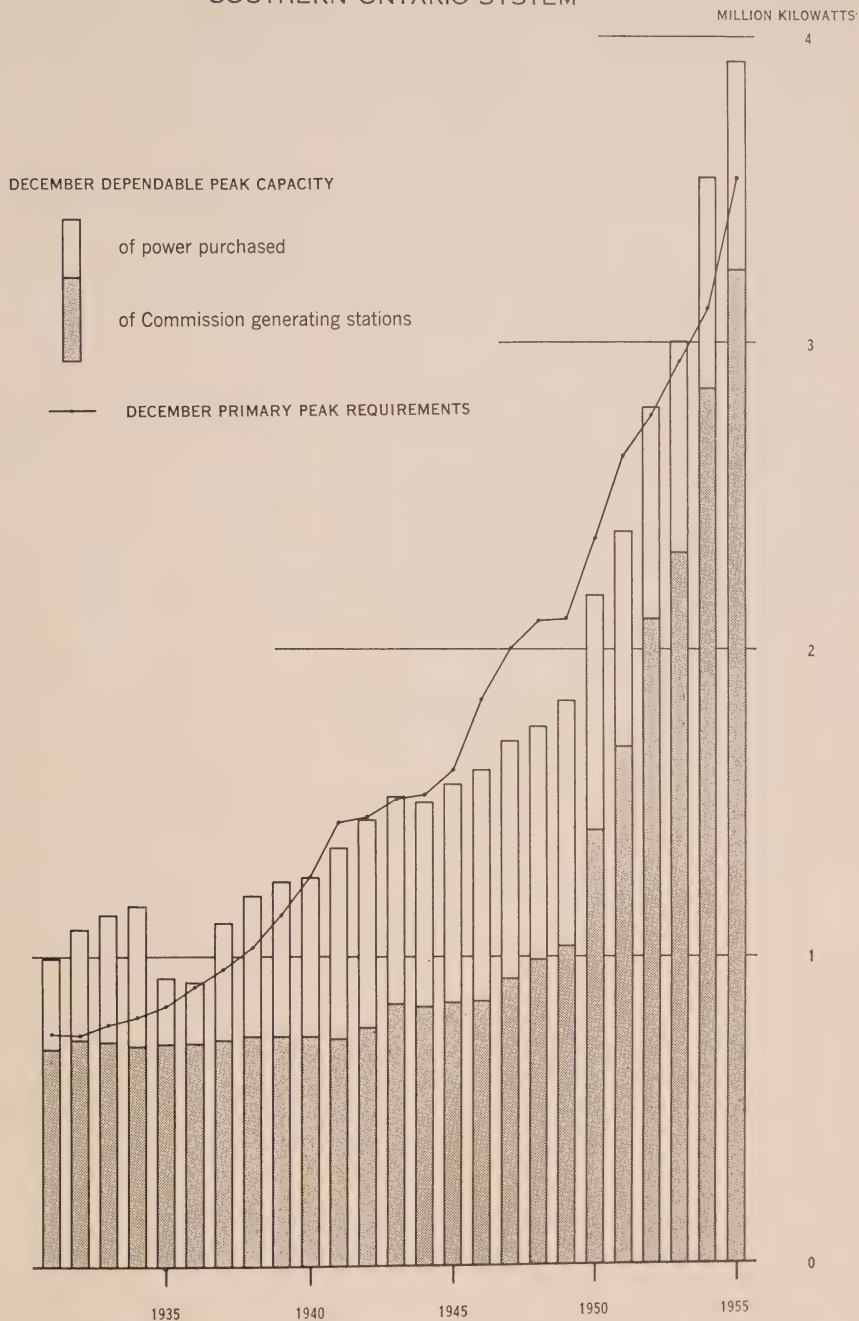


**BURLINGTON TRANSFORMER STATION**—One of twelve 115-kv air-blast circuit-breakers recently installed. Each breaker has a rupturing capacity of 5,000,000 kva. High-voltage air-blast circuit-breakers have also been installed at St. Clair Transformer Station and at Richview Switching Station.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

POWER DEMANDS AND RESOURCES

SOUTHERN ONTARIO SYSTEM



Thermal-electric units were used for voltage regulation until the period of higher power demands in the autumn months. The two units damaged at Richard L. Hearn Generating Station in April 1954 were returned to service, Unit No. 2 on March 15 and Unit No. 1 on October 13. The thermal-electric generating equipment at the Westinghouse station in Hamilton, placed in service during the power shortage of 1948 and 1949, was dismantled in February. Plans were made during the year to dismantle also the emergency thermal-electric Scarborough Generating Station. The equipment at this station was not operated in 1955 and arrangements have been made under the Colombo plan to make it available to Pakistan.

Five units were brought into service at Sir Adam Beck-Niagara Generating Station No. 2 between February 21 and August 8. At DeCew Falls Generating Station the second of the two 25-cycle units was standardized at 60 cycles and returned to service on September 24. On December 28, Unit No. 10 at Sir Adam Beck-Niagara Generating Station No. 1 was removed from service for frequency standardization.

Major revisions and additions made to the 230-kv facilities of the Southern Ontario System to accommodate the increased output at Sir Adam Beck-Niagara Generating Station No. 2, served also to improve voltage to loads supplied from Detweiler Transformer Station, and to improve system security in general. These are presented in some detail in Section V under "Transformer Stations" and "Transmission Lines". The installation of capacitors, begun in 1954 at certain 115-kv stations for the purpose of voltage regulation, was continued in 1955 by the installation of two 10,000-kva banks at Scarborough Transformer Station in December.

The effects of disturbances to operations were for the most part relatively minor, frequency and voltage being affected for brief periods only. High-capacity interconnections with neighbouring systems were of assistance in mitigating these disturbances. Two interruptions occurred which affected loads over fairly wide areas, one in the Toronto Region as the result of underbrush coming into contact with 230-kv lines, and the other occurring during a severe electrical storm in the Niagara Region. Both involved interruptions of periods up to 30 minutes. Such occurrences are thoroughly investigated with a view to correcting any weakness disclosed in the functioning of apparatus or system.

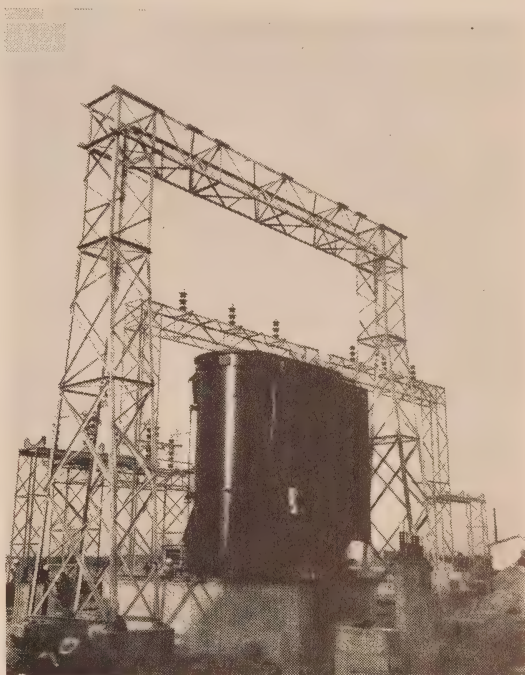
### **Load Trends**

Production of power for primary and secondary use within the system was 3,740,760 kilowatts, an increase of 18.3 per cent over the 1954 production of 3,162,142 kilowatts. The corresponding energy production for the year was up 20.4 per cent from 18,313,217,542 kilowatt-hours to 22,043,837,893 kilowatt-hours.

The rate of increase in primary requirements gradually advanced through the first half of the year, and after a period of slight decline in the third quarter advanced to beyond 10 per cent in the last three months. The demands of municipal customers largely followed this pattern. In the first half of the year the large industrial customers in the Niagara Region gave some indication of

recovery from a long period of declining loads. By the last quarter of the year increases of well over 20 per cent over last year were not uncommon.

Primary power requirements reached their yearly maximum on December 20 when the demand of 3,534,000 kilowatts exceeded by 13.4 per cent the 1954 peak of 3,115,842 kilowatts. Primary energy requirements for a single day rose to 64,788,079 kilowatt-hours, and for the entire year they were 18,993,461,493 kilowatt-hours, exceeding 1954 requirements of 17,069,008,442 kilowatt-hours by 11.3 per cent. Of the annual primary energy requirements, the estimated load cut amounted to only 393,800 kilowatt-hours in spite of the decreased output of a number of the Commission's hydro-electric resources and the reduced deliveries of the Commission's Quebec suppliers. The Ontario primary load carried was 18,613,052,493 kilowatt-hours, an increase of 11.1 per cent over the 1954 load of 16,753,967,942 kilowatt-hours. The total amount of energy produced for disposal in the secondary market was 3,050,770,200 kilowatt-hours.



**ST. LAWRENCE TRANSFORMER STATION**—One of two 115—44-kv transformers installed at the station. They will supply power to the area formerly served by Cornwall Transformer Station which is located within the area to be flooded by the power development.

## NORTHERN ONTARIO PROPERTIES

### NORTHEASTERN DIVISION

The addition of sources of purchased power accounts for the most part for the slight increase in December dependable peak capacity in the Northeastern Division from 298,200 kilowatts in 1954 to 299,600 kilowatts in 1955.

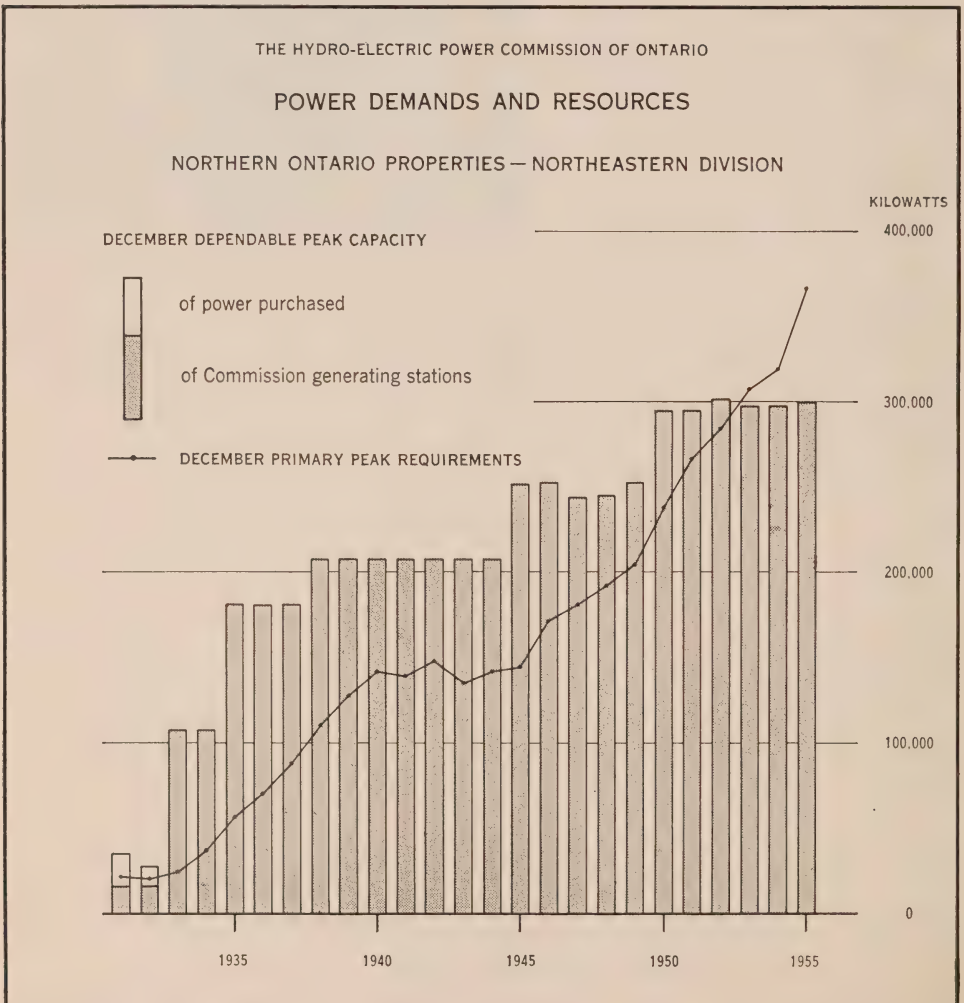
The interconnection which has been built to permit the exchange of power between the Southern Ontario System and the Northeastern Division enabled the division to meet its primary requirements throughout the year. It was strengthened during the year by the reinsulation for operation at 230 kv of one of the 115-kv interconnecting lines. This line was available for service at the higher voltage on November 14. A further improvement to the interchange facilities was the placing in service at R. H. Martindale Transformer Station, the northern terminal of the interconnecting lines, of two frequency-changers formerly located at Hanover Transformer Station.

These additions to the interchange facilities were of great importance when, owing to low water storages, a critical power situation developed during the summer and early autumn months of 1955. When load transfers were very high, units at Otto Holden and Des Joachims Generating Stations were isolated from the Southern Ontario System for the supply of the division, and adjustments were made in the governors of these units in order to achieve their most satisfactory operation under such conditions.

Two diesel-operated generating stations were placed in service during the year, one at Hornepayne and the other at Chapleau. In order to meet the mining load in the Blind River area, the new 115—44-kv Blind River Transformer Station, with a capacity of 15,000 kva, was placed in service on June 1.

#### Load Trends

The maximum amount of power produced for primary and secondary use by the division was 366,458 kilowatts, an increase of 10.1 per cent over the 332,706 kilowatts produced in 1954. The corresponding energy production for the year was 2,367,882,383 kilowatt-hours, exceeding the 1954 production of 2,172,465,514 kilowatt-hours by 9.0 per cent.





**LIVE-LINE WORK ON 115-KV TRANSMISSION LINE**

The three conductors have been removed from their positions on a twin-pole line and the team of linemen are engaged in replacing insulators.



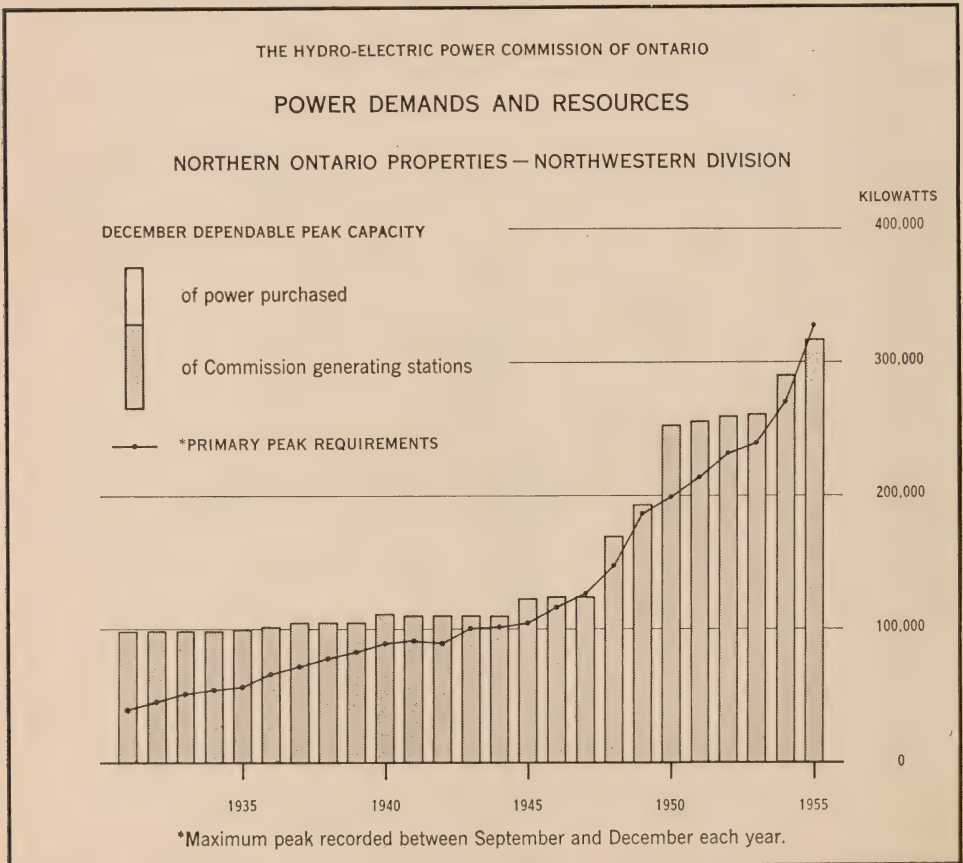
The linemen have removed one conductor from the insulator on a steel-tower line. The second conductor is about to be released from the string of insulators.

There were only minor increases in primary requirements in the North-eastern Division during the first five months of the year. There was, however, a sharp increase during the second half of the year and the December primary power requirements, which were equivalent to the maximum produced for use in the division, exceeded the 1954 requirements of 319,146 kilowatts by 14.8 per cent. Primary energy requirements for the year rose by 9.1 per cent from 2,065,220,554 kilowatt-hours in 1954 to 2,253,164,903 kilowatt-hours in 1955. At times when production exceeded primary requirements, 114,717,480 kilowatt-hours were produced for disposal in the secondary market.

#### NORTHWESTERN DIVISION

The December dependable peak capacity of the Northwestern Division increased from 292,600 kilowatts in 1954 to 317,400 kilowatts in 1955. This 8.5 per cent increase is attributable for the most part to the fourth unit placed in service at Pine Portage Generating Station on December 30, 1954, but not included in calculations of dependable capacity for that year.

To incorporate the output of the third and fourth units at Pine Portage Generating Station into the Northwestern Division four 115-kv circuit-breakers were added at Alexander Generating Station, which is located further down the



Nipigon River. The additional switching permits equalized loading on the five transmission circuits between the Nipigon River stations and the lakehead.

Port Arthur-Birch Transformer Station was placed in service in March, but for the present only as a 115-kv switching station supervisory-controlled from Port Arthur Transformer Station No. 1. The new station provides switching for the local transmission circuits at the lakehead and for the transmission circuits to Moose Lake Transformer Station. Later it will provide step-down transformation and will facilitate the expected expansion of the 115-kv system.

In order to supply the heavy loads in the Steep Rock area, a new 115-kv line from Port Arthur-Birch Transformer Station to Moose Lake Transformer Station was placed in service on April 12. Three capacitors, each rated at 12,000 kva, were placed in service at a customer-owned station in the Steep Rock Lake area in May to meet the reactive requirements of the increased loads. A 115-kv line from Terrace Bay was completed to serve the rich base-metal area in the vicinity of Lake Manitouwadge, and power was supplied to a mining company station there in mid-December.

#### **Load Trends**

The Northwestern Division produced a maximum of 329,122 kilowatts for primary and secondary purposes in 1955, a 13.6 per cent increase over 1954 production of 289,803 kilowatts. The corresponding energy production during the year was 2,143,388,130 kilowatt-hours, which was 12.8 per cent greater than the 1,900,773,820 kilowatt-hours produced in 1954.

Primary power requirements showed a marked increase as dredging operations were expanded in the Steep Rock area. Demands in November were about equal to resources and minor load reductions were required during the month at time of peak. The primary power requirements of 329,766 kilowatts exceeded the 1954 requirements of 271,421 kilowatts by 21.5 per cent. Primary energy requirements in 1955, also 21.5 per cent greater than in 1954, were 2,011,488,790 kilowatt-hours as compared with 1,655,679,900 kilowatt-hours.

### **MAINTENANCE OF THE SYSTEMS**

The use of new techniques in preventive maintenance of electrical equipment was extended in 1955. Methods for field testing of insulation on rotating machines, transformer and other equipment were refined and more widely applied. Large-scale use was made of the method developed in 1954 by the Commission's Research Division as a test for the presence of combustible gases which result from an electrical arc within a transformer and the chemical change of insulating oil. The application of this field test considerably reduces the time required to analyse transformer trouble and to begin repair or replacement. On many occasions, incipient faults have been detected in equipment before costly failure occurred.

Following studies by the Commission's Research Division, flow-coat painting of transformer tanks was introduced at the central Electrical Maintenance Shops. A heavy stream of paint is applied at the top of vertical surfaces and the surplus is collected in a tray at the bottom for re-use. Flow-coat painting is both better in quality and lower in cost than brush or spray work.

Hydraulic equipment was given the customary routine inspection, and maintenance was carried out on satisfactory schedules. Four large turbines, two at Cameron Falls Generating Station, one at Sir Adam Beck-Niagara Generating Station No. 1, and one at "Toronto Power" Generating Station, and five small turbines were completely overhauled. Twenty-four turbine runners were welded without dismantling the units, a method now accepted as routine. Two were at George W. Rayner Generating Station and the others at various stations in the Eastern Region. Repairs to the large majority of the latter group were relatively minor. They were undertaken while low-water conditions left the units free for maintenance purposes.

### **Lines**

The Commission's five helicopters were in flight for a total of 2,905 hours in 1955 and inspected 138,245 circuit miles of high-voltage lines. They also performed a variety of other valuable services not limited to Commission operations. The helicopter based in the Northwestern Region sprayed nearly 300 acres of brush in the region with chemical herbicide; another carried the leader for stringing new conductors across the Niagara Gorge; on other occasions the aircraft were used for aerial survey or photography, for inspection of isolated properties, and for transporting equipment to locations difficult of access. During May, June, and July they were used to provide emergency assistance to the Department of Lands and Forests in combating forest fires.

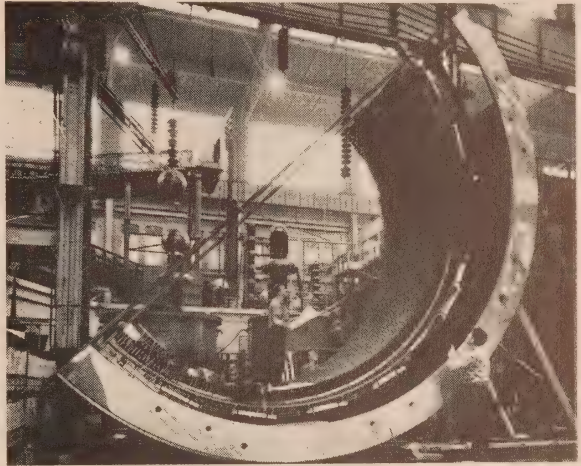


"TORONTO POWER" GENERATING STATION—Annual inspection reveals the effect of water erosion on the floor of the brick-lined tailrace tunnels.

Following the detailed pole-testing program carried out in 1954, about 3,500 transmission poles, 12,600 distribution poles, and 125 communication poles were replaced during 1955. About 200 towers in the Niagara, West Central, Toronto, and Northeastern Regions were painted. Insulators on the 115-kv and 27.6-kv lines in the Western Region were washed under live-line conditions.

In the maintenance of high-pressure, gas-pipe, underground cable the Commission has had notable success with an improved method for locating gas leaks. The former method usually followed has proved cumbersome and costly. Under a refinement of this method Freon 12 gas is injected into the cable under pressure. A halogen detector, which may be described as an electronic "sniffing" device, will indicate by audio signal the presence of Freon 12 gas escaping from the cable leak.

In order to provide for greatly increased transfers of power between the Southern Ontario System and the Northeastern Division, the Commission undertook for the first time in its history to reinsulate and place in service at 230 kv a line designed for operation and used at 115 kv. Two insulators were added to all



**STATOR REWINDING**—Half section of the stator of a 55,000-kva generator dismantled for rewinding for standardization at 60-cycle frequency

suspension strings on the line so that there are now ten in each string on the 50-mile steel-tower stretch between Otto Holden Generating Station and Crystal Falls Generating Station and nine in each string on the remaining 55 miles of wood-pole line to R. H. Martindale Transformer Station. The use of live-line tools permitted the work to proceed without interruption to service over a period when the interconnecting facilities were invaluable.

## Communications

Six channels of power-line carrier for transfer trip, and four channels of carrier for relay protection were added. Several carrier changes were made in accordance with power-line rearrangements.

The mobile frequency-modulation radio system was increased by the addition of 20 fixed stations and 67 mobile installations, which brought the totals in service to 73 fixed and 276 mobile stations.

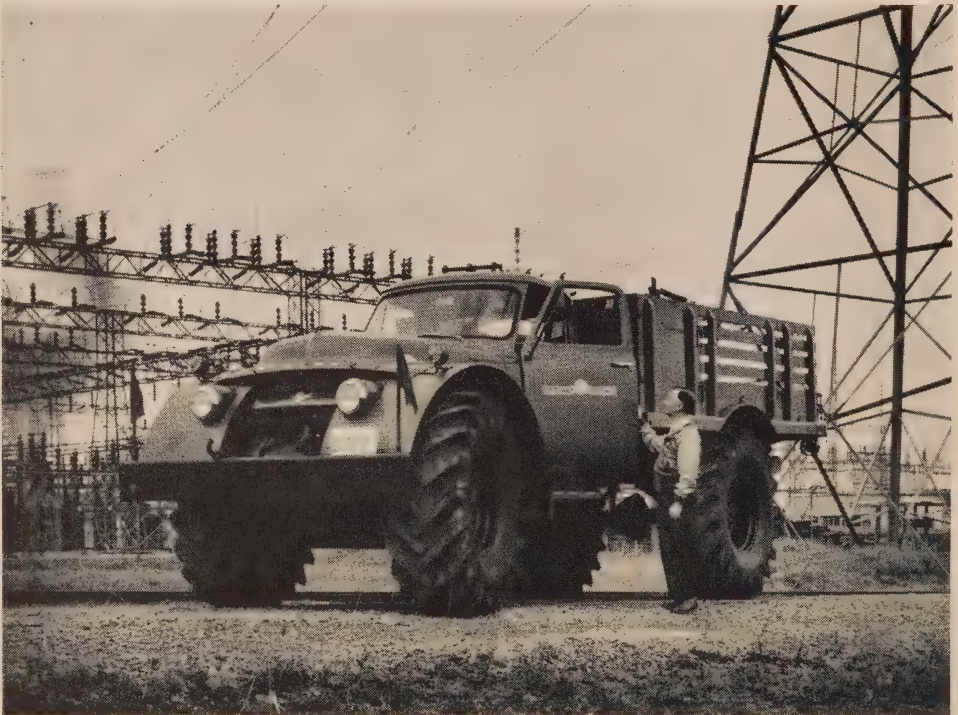
The Commission continued the co-ordination of its voice communication facilities in the Southern Ontario System with those of The Bell Telephone

Company. The work was completed at the majority of the high-voltage stations by the end of the year. Since October 1952, when the agreement with the Company was signed, the Commission has used under lease 3,350 miles of voice telephone circuits and 1,319 miles of control and relay circuits.

### **Forestry**

Chemical spray was applied to 18,000 acres of brush along transmission line rights of way. The method has shown very satisfactory results in achieving brush-free grass-covered rights of way. Further spraying experiments were carried out in the Northwestern Region both by conventional aircraft and by helicopter.

Reforestation work was carried out in the Niagara, Georgian Bay, and Eastern Regions in 1955. A total of 65 acres was planted with 80,000 seedling trees.

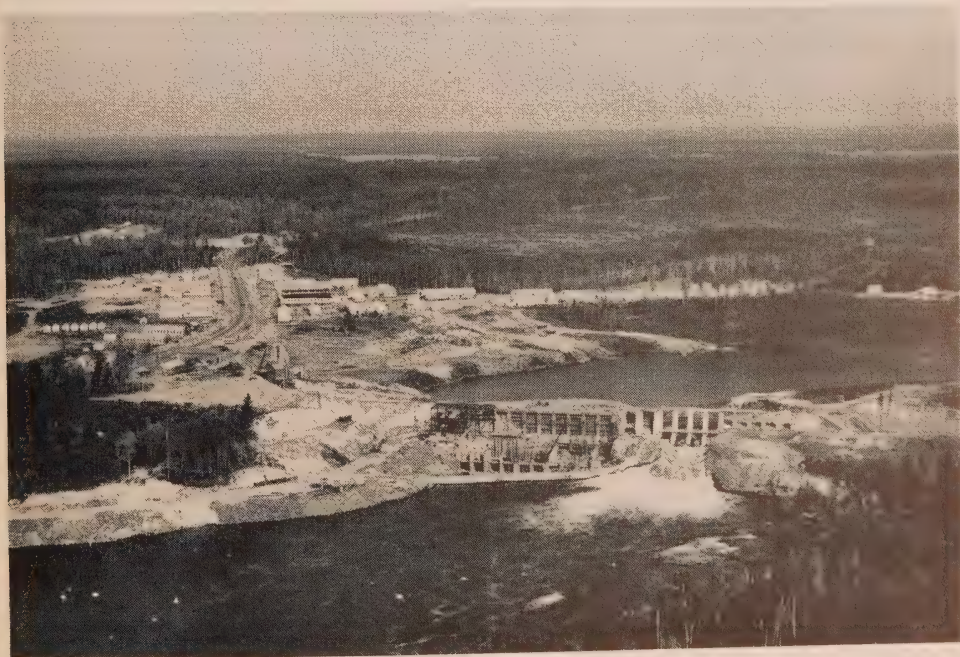


**SWAMP BUGGY**—This 3-ton machine was developed for use over rough marshy ground. Mounted on a swivel frame and equipped with four-wheel drive and broad low-pressure tires, it can carry a full load in areas impassable to other vehicles.

## SECTION II

### FINANCE

THE Foreword to this Report briefly sets forth the principle governing the operations of the Hydro enterprise in supplying electrical service at cost. Reference is made to the wholesale and retail aspects of the operations and in this connection to the respective activities of the Commission and the municipal electrical utilities. Section II deals only with the Commission's operations, those of the utilities being segregated in Section VIII where retail operations in municipal systems generally are discussed. The statements and accounts in Section II and its related Appendix II relate to the Commission's entire financial operation, wholesale and retail, all these operations being carried out either on



MANITOU FALLS GENERATING STATION—A general view of the development taken late in 1955

behalf of the municipalities served with power at cost, or in trust for the Province of Ontario.

For financial purposes the Commission's operations in the Southern Ontario System and in the Northern Ontario Properties are considered separately. Accordingly two balance sheets and two statements of operations are included in this section and these in turn are supported by appropriate schedules and accounts in Appendix II, those for the Southern Ontario System beginning at page 218 and those for the Northern Ontario Properties at page 250. For the statements of funded debt and advances from the Province of Ontario alone the information for both Southern Ontario System and Northern Ontario Properties is consolidated. These statements also appear in this section.

In the Southern Ontario System 320 municipal utilities were served at cost in 1955, and seven were similarly served in the Northern Ontario Properties. The statement of the cost of power supplied in wholesale quantities is given for the Southern Ontario System on pages 226 to 243. It shows for each cost-contract utility the components of the cost of power, and the year-end adjustments which reflect the difference between the interim rate charged per kilowatt and the actual cost on a kilowatt basis. A similar statement for the Northern Ontario Properties appears on pages 258 and 259. The year-end adjustments shown on these statements resulted in a total net refund of \$3,855,482 to 278 cost-contract utilities, \$3,630,246 to those in the Southern Ontario System and \$225,236 to those in the Northern Ontario Properties.

## FINANCIAL OPERATIONS—1955

The Commission's gross revenues in 1955 were 12.8 per cent greater than revenues in 1954, a reflection of the considerably larger sales of power and energy. Total gross revenues, all systems, were \$165,832,964 in 1955 as compared with \$146,953,335 in 1954.

## SOUTHERN ONTARIO SYSTEM

Increased sales of power and energy are reflected in the substantial growth in total gross revenue from \$124,831,280 in 1954 to \$140,630,145 in 1955, an increase of 12.7 per cent. The cost of providing service was up about 12.8 per cent over 1954 from \$121,451,281 to \$136,959,447, somewhat over half the increase representing fixed charges on new capital assets placed in service during the year. Increased costs of labour, and substantial increases in water rentals due to the expanded operation of Sir Adam Beck-Niagara Generating Station No. 2 were more than offset by reduced expenditure for the operation of the large thermal-electric stations and for purchased power.

In the calculation of the 1955 cost of power \$983,327 was withdrawn from the stabilization of rates and contingencies reserve, and \$53,971 was applied as a credit resulting from matured sinking fund. A total of 72 municipalities benefited from matured sinking fund. Credits amounting in total to \$18,441 were also made in the cost of power to 22 municipal utilities that otherwise would have been required to meet unduly high costs of service. This amount of \$18,441 represents interest on the fund established for the purpose of maintaining a ceiling rate to the utilities for the cost of power on a kilowatt basis. The application of this credit established a ceiling rate of \$49.79 per kilowatt as compared with \$50.09 in 1954.

Rural operations, which are included in the calculation of system totals given in the preceding paragraph, resulted in revenues of \$32,194,221, expenses of \$32,153,769, and a surplus of \$40,452 which was credited to the rural rates suspense account.

### Frequency Standardization

Expenditures on frequency standardization carried out in 1955 amounted to \$41,787,561 and brought the Commission's share of the total cost of the work to \$223,633,261, as shown in the accompanying table. In 1955, \$10,237,947 of the cost incurred and \$4,802,917 in interest to finance the frequency standardization account were charged to the cost of power, \$131,002 spent on the standardization of rural facilities was recovered from rural revenues, and \$31,418,612 of the cost was added to the frequency standardization account to be written off in future years. The inventories of equipment and supplies for use in future standardization work were reduced by \$4,544,887 during the year.

**Table of Expenditures by The Hydro-Electric Power Commission of Ontario  
on Frequency Standardization**

	Prior to 1955	During 1955	Total at Dec. 31, 1955	Amounts amortized or to be amortized
	\$	\$	\$	\$
Standardization of customers' equipment and system facilities (charged to frequency standardization account) . . . . .	181,017,155	41,656,559	222,673,714	111,186,438
Standardization of rural distribution facilities (charged to rural operations, maintenance, and administrative expense) . . . . .	828,545	131,002	959,547	959,547
	181,845,700	41,787,561	223,633,261	112,145,985
Expenditure on inventory of equipment, supplies, and other assets . . . . .	24,207,053	4,544,887	19,662,166	111,487,276
Amount to be written off in future years . . . . .				19,662,166
Value of equipment, supplies, and other assets for future standardization work . . . . .				
Total expenditures . . . . .	206,052,753	37,242,674	243,295,427	243,295,427

## NORTHERN ONTARIO PROPERTIES

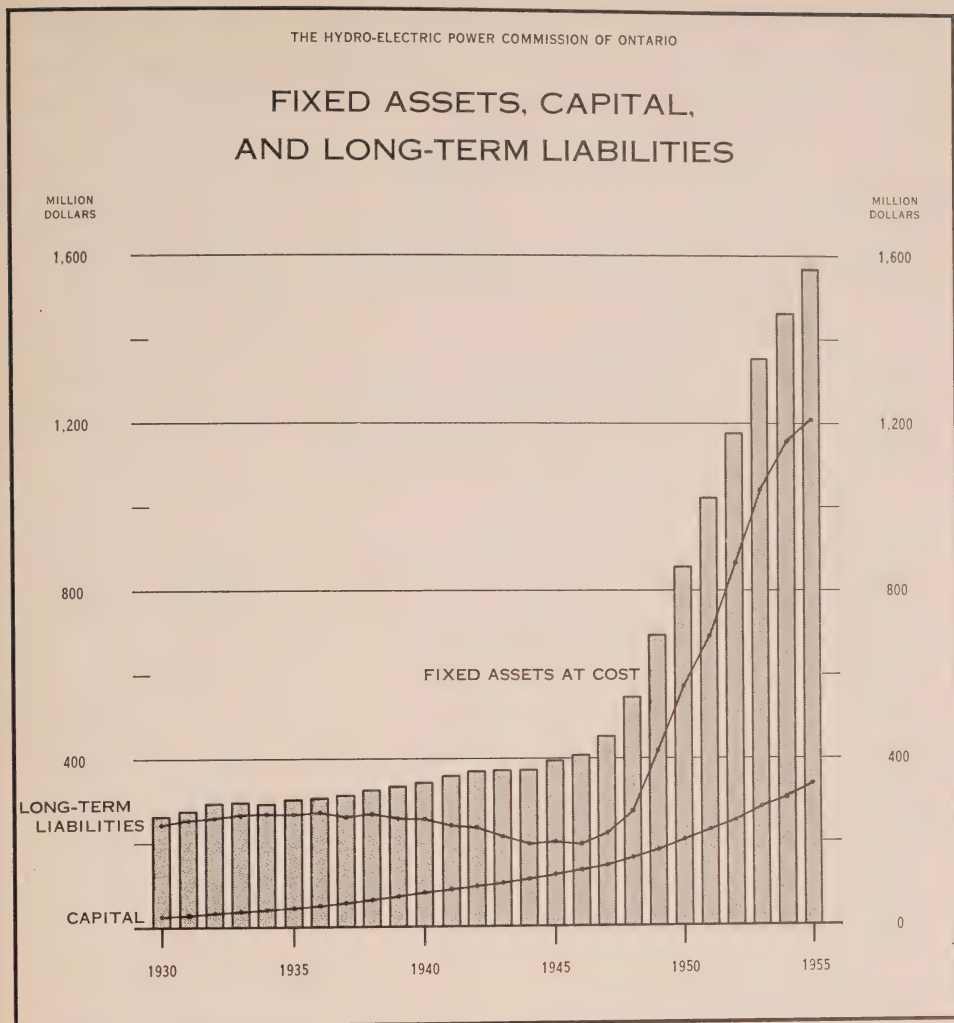
Gross revenues in the Northern Ontario Properties increased by 13.9 per cent from \$22,122,055 in 1954 to \$25,202,819 in 1955, reflecting the sale of greatly increased amounts of energy both to the municipal utilities served at cost and to customers served for the account of the Province. The total energy supplied in wholesale quantities to customers in the Northern Ontario Properties during 1955 was 11.0 per cent greater than in 1954. The gross revenues already referred to, however, include also revenue from the sale of energy to ultimate customers served for the account of the Province of Ontario in local systems and in the rural power district. Total revenues received for the account of the Province were up 14.9 per cent over revenues in 1954, rising from \$20,086,793 to \$23,082,014, as compared with a 4.2 per cent increase in revenue from cost-contract municipalities which rose from \$2,035,262 to \$2,120,805.

In the rural power district alone revenues were up 15.1 per cent and the cost of providing service to rural customers was up 10.8 per cent with some improvement therefore resulting in the deficit situation arising from rural operations. The total cost of providing service to all customers rose from \$20,668,197 in 1954 to \$23,675,515 in 1955, or 14.6 per cent. This was after the application of credit resulting from prepaid sinking fund amounting to \$702,206. Revenues received exceeded cost by \$1,527,304. This amount was credited, \$225,236 to the municipalities receiving power at cost, and \$1,302,068 to the account of the Province. This account showed a surplus of \$218,451 at the end of 1955.

## SUMMARY OF FINANCIAL POSITION

During 1955 a gross amount of \$114,572,520 was spent on fixed assets, approximately 60 per cent on generating facilities. The major expenditures were \$37,374,968 at the St. Lawrence Power Project, \$20,710,419 at Sir Adam Beck-Niagara Generating Station No. 2, and \$6,183,547 at Manitou Falls Generating Station. Additional or improved rural facilities represent \$18,960,874 or about 16 per cent of the total expenditure on fixed assets. Sales and retirements amounting in total to \$10,375,109 resulted in a net increase in fixed assets of \$104,197,411. At December 31, 1955, the Commission's total investment in fixed assets at cost amounted to \$1,572,756,140, including rural assets of \$198,032,568. Against this total investment accumulated depreciation of \$171,450,509 had been provided.

The total assets of the Commission at December 31, 1955, after deducting accumulated depreciation, were \$1,788,279,899 as compared with \$1,653,063,771 at December 31, 1954.



#### Capital and Debt Position

This increase in total assets was financed in part by the issue of bonds for a total of \$65,000,000 during the year. A bank overdraft of \$28,492,707 was carried at the end of the year pending the issue of further debentures in 1956, and \$7,922,613 was received from the Province in the form of assistance for the construction of rural distribution facilities. The remainder of the increase in assets was financed from internal resources. The net increase in long-term debt outstanding was \$47,196,674, and the total long-term debt outstanding at December 31, 1955 was \$1,208,826,857.

The Provincial assistance provided for the extension of rural service amounted in total to \$98,708,695 at the end of 1955. The Commission's sinking fund reserves stood at \$239,836,792 at the end of 1955, an increase of \$21,801,218 during the year. These sinking fund reserves, except for \$10,720,573 held in marketable investments, had been used to retire capital debt.

THE HYDRO-ELECTRIC POWER  
SOUTHERN  
BALANCE SHEET

ASSETS

FIXED ASSETS AT COST:

Power system.....	\$ 1,127,326,953	
Administrative and service buildings and equipment.....	25,311,253	
Rural power district.....	169,254,839	
	<u>\$ 1,321,893,045</u>	
Less accumulated depreciation.....	141,101,928	
		<u>\$ 1,180,791,117</u>

FREQUENCY STANDARDIZATION:

Equipment, supplies, and other assets for future standardization work.....	\$ 19,662,166	
Cost of completed standardization after charging \$111,186,438 to reserves and cost of power—balance to be written off in future years.....	111,487,276	
		<u>131,149,442</u>

CURRENT ASSETS:

Working funds.....	\$ 207,755	
Power accounts receivable.....	15,558,675	
Other accounts receivable.....	6,472,480	
Rural power district grants receivable.....	4,128,605	
Interest accrued on investments held for general reserves...	682,026	
Customers' securities on deposit.....	243,000	
Prepayments and sundry deposits.....	145,572	
Northern Ontario Properties—current account.....	9,099,071	
		<u>36,537,184</u>

INVENTORIES HELD FOR CONSTRUCTION AND MAINTENANCE:

Materials and supplies at cost.....	\$ 20,904,010	
Tools and equipment at cost less depreciation.....	5,638,068	
		<u>26,542,078</u>

DEFERRED CHARGES AND OTHER ASSETS:

Debenture discount and expense less amounts written off...	\$ 14,484,806	
Agreements, mortgages, and sundry investments.....	308,280	
Exchange discount on funded debt.....	3,306,015	
Accounts receivable in annual instalments.....	1,567,345	
Deferred work orders and other assets.....	3,396,863	
		<u>23,063,309</u>

RESERVE FUND INVESTMENTS:

Government and government-guaranteed bonds (approximate market value \$146,230,000)		
Investments held for special reserves (at amortized cost plus accrued interest)		
Pension fund.....	\$ 62,732,757	
Employer's liability insurance fund.....	4,548,687	
Savings and insurance fund.....	625,694	
Investments held for other reserves (at amortized cost)		
Stabilization of rates and contingencies.....	75,633,504	
Sinking fund.....	4,924,703	
		<u>148,465,345</u>
		<u><u>\$ 1,546,548,475</u></u>

Auditors' Report

We have examined the balance sheet of the Southern Ontario System of The Hydro-Electric Power Commission of Ontario as at December 31, 1955, and the statement of operations for the year ended on that date. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying balance sheet and statement of operations present fairly the financial position of the Southern Ontario System of the Commission as at December 31, 1955 (subject to the trusts which prevail in respect thereto) and the results of the operations for the year ended on that date.

CLARKSON, GORDON & CO.

Chartered Accountants.

Toronto, Canada,  
June 29, 1956.

## COMMISSION OF ONTARIO

## ONTARIO SYSTEM

AS AT DECEMBER 31, 1955

## LIABILITIES, RESERVES, AND CAPITAL

## LONG-TERM LIABILITIES (at par of exchange)

including \$10,226,237 maturing in 1956:

Funded debt.....	\$ 1,158,804,000
Less—issued to finance Northern Ontario Properties, a separate trust operated by the Commission.....	149,910,000
	<u>\$ 1,008,894,000</u>

Advances from the Province of Ontario.....	\$50,022,857
Less advances for Northern Ontario Properties	<u>8,739,829</u>

41,283,028

\$ 1,050,177,028

## CURRENT LIABILITIES:

Bank overdraft.....	\$ 28,492,707
Accounts and payrolls payable and accrued charges.....	27,522,093
Customers' deposits.....	899,709
Interest accrued on long-term liabilities.....	<u>9,558,762</u>
	66,473,271

## SPECIAL RESERVES:

Pension fund.....	\$ 62,129,791
Employer's liability insurance fund.....	4,617,766
Savings and insurance fund.....	622,036
Exchange premium received on funded debt.....	<u>4,807,160</u>
	72,176,753

## GENERAL RESERVE:

Stabilization of rates and contingencies.....	79,798,108
-----------------------------------------------	------------

## CAPITAL:

## Sinking fund reserve:

Represented by—

Funded debt and provincial advances retired through sinking funds.....	\$188,790,484
Sinking fund investments.....	<u>4,758,626</u>
	\$ 193,549,110

## Contributed capital:

Province of Ontario, assistance for rural construction..	<u>84,374,205</u>
	277,923,315
	<u><u>\$ 1,546,548,475</u></u>

NOTE: Commitments under uncompleted contracts for the construction of fixed assets, approximately \$93,000,000.

## NORTHERN

Held and Operated by The Hydro-Electric Power Commission of Ontario in

## BALANCE SHEET

## ASSETS

## FIXED ASSETS AT COST:

Power system.....	\$ 220,267,333	
Administrative and service buildings and equipment.....	1,818,033	
Rural power district.....	28,777,729	
	<u>\$ 250,863,095</u>	
Less accumulated depreciation.....	30,348,581	\$220,514,514

## CURRENT ASSETS:

Cash in banks.....	\$ 181,489	
Working funds.....	32,810	
Power accounts receivable.....	2,868,975	
Other accounts receivable.....	437,673	
Interest accrued on reserve fund investments.....	138,320	
Customers' securities on deposit.....	1,234,890	
Prepayments.....	2,942	
	<u>4,897,099</u>	

## INVENTORIES HELD FOR MAINTENANCE:

Materials and supplies at cost.....	\$ 1,365,892	
Tools and equipment at cost less depreciation.....	465,559	
	<u>1,831,451</u>	

## DEFERRED CHARGES AND OTHER ASSETS:

Debenture discount and expense less amounts written off.....	\$ 1,636,133	
Exchange discount on funded debt.....	100,098	
Account receivable in annual instalments 1956-1989.....	1,938,587	
Deferred work orders and other assets.....	436,788	
	<u>4,111,606</u>	

## RESERVE FUND INVESTMENTS:

Government and government-guaranteed bonds at amortized cost (approximate market value \$18,932,000)		
Held for—Stabilization of rates and contingencies.....	\$ 13,431,456	
Sinking fund reserve.....	6,044,369	
	<u>19,475,825</u>	
		<u>\$ 250,830,495</u>

## Auditors' Report

We have examined the balance sheet of the Northern Ontario Properties, held and operated by The Hydro-Electric Power Commission of Ontario in trust for the Province of Ontario and municipalities supplied with power at cost, as at December 31, 1955, and the statements of operations and surplus for the year ended on that date. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying balance sheet and statements of operations and surplus present fairly the financial position of the Northern Ontario Properties as at December 31, 1955 (subject to the trusts which prevail in respect thereto) and the results of the operations for the year ended on that date.

CLARKSON, GORDON &amp; CO.

Chartered Accountants.

Toronto, Canada,  
June 29, 1956.

## ONTARIO PROPERTIES

## Trust for the Province of Ontario and Municipalities Supplied with Power at Cost

AS AT DECEMBER 31, 1955

## LIABILITIES, RESERVES, AND CAPITAL

## LONG-TERM LIABILITIES (at par of exchange)

including \$3,662,678 maturing in 1956:

Funded debt.....	\$ 149,910,000	
Advances from the Province of Ontario.....	8,739,829	
		\$ 158,649,829

Representing the portion of the funded debt and advances from the Province of Ontario owing by The Hydro-Electric Power Commission of Ontario, issued to finance Northern Ontario Properties.

## CURRENT LIABILITIES:

The Hydro-Electric Power Commission of Ontario—current account.....	\$ 9,099,071	
Accounts and payrolls payable and accrued charges.....	845,301	
Customers' deposits.....	6,936,035	
Interest accrued on long-term liabilities.....	1,362,870	
		18,243,277

## SPECIAL RESERVE:

Exchange premium received on funded debt.....	183,205
-----------------------------------------------	---------

## GENERAL RESERVE:

Stabilization of rates and contingencies, for the benefit of:		
Municipalities supplied with power at cost.....	\$ 2,161,602	
Northern Ontario Properties.....	10,751,959	
		12,913,561

## CAPITAL:

Sinking fund reserve:		
Province of Ontario.....	\$ 36,014,748	
Municipalities supplied with power at cost....	10,272,934	
		\$ 46,287,682

Represented by—

Funded debt and provincial advances retired through sinking funds.....	\$ 40,325,735	
Sinking fund investments.....	5,961,947	
		\$ 46,287,682

Contributed capital:

Province of Ontario, assistance for rural construction.....	14,334,490	
Surplus—Account of the Province of Ontario.....	218,451	
		60,840,623
		\$ 250,830,495

## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

## SOUTHERN ONTARIO SYSTEM

## STATEMENT OF OPERATIONS

for the Year Ended December 31, 1955

	Power system	Rural power district	Total
	\$	\$	\$
<b>COST OF POWER:</b>			
Cost of power purchased .....	11,546,537	.....	11,546,537
Interchange of power with Northern Ontario Properties .....	1,417,966	.....	1,417,966
Operation, maintenance and administrative expenses	33,336,631	9,328,318	42,664,949
Interest (including interest on funded debt and re- serves, less interest earned on investments) .....	35,599,369	2,843,611	38,442,980
Frequency standardization:			
Interest .....	4,802,917	.....	4,802,917
Portion of cost written off .....	10,237,947	.....	10,237,947
Depreciation .....	9,228,704	3,607,544	12,836,248
Stabilization of rates and contingencies provision ...	5,847,672	1,619,225	7,466,897
Sinking fund provision—contribution to system capital .....	10,563,840	852,396	11,416,236
	119,745,651	18,251,094	137,996,745
Credit resulting from matured sinking fund .....	53,971	.....	53,971
Withdrawal from stabilization of rates reserve .....	983,327	.....	983,327
	118,708,353	18,251,094	136,959,447
Cost of power supplied to rural power district .....	13,902,675	13,902,675	.....
Total, including provisions for and withdrawals from stabilization of rates reserve .....	104,805,678	32,153,769	136,959,447
<b>AMOUNTS BILLED:</b>			
Municipalities (at interim rates) .....	78,937,871	.....	78,937,871
Rural power district .....	.....	32,194,221	32,194,221
Companies .....	29,105,683	.....	29,105,683
Local distribution systems .....	392,370	.....	392,370
Total .....	108,435,924	32,194,221	140,630,145
Excess of amounts billed over cost of power .....	3,630,246	40,452	3,670,698
Credited to municipalities on annual adjustments ...	3,630,246	.....	3,630,246
Credited to rural power district rates suspense .....	.....	40,452	40,452

## NORTHERN ONTARIO PROPERTIES

Held and Operated by The Hydro-Electric Power Commission of Ontario in Trust for the Province of Ontario and Municipalities Supplied with Power at Cost

STATEMENT OF OPERATIONS  
for the Year Ended December 31, 1955

	Province of Ontario			Municipalities supplied with power at cost	Total
	Rural power district	Other customers	Total		
<b>COST OF POWER:</b>	\$	\$	\$	\$	\$
Cost of power purchased.....		296,758	296,758		296,758
Interchange of power with Southern Ontario System.....		1,417,966	1,417,966		1,417,966
Operation, maintenance and administrative expenses.....	1,267,898	8,746,937	10,014,835		10,014,835
Interest (including interest on funded debt and reserves, less interest earned on investments).....	466,957	6,733,354	7,200,311		7,200,311
Depreciation.....	536,593	1,804,412	2,341,005		2,341,005
Stabilization of rates and contingencies provision.....	273,343	603,817	877,160		877,160
Sinking fund provision—contribution to system capital..	144,227	2,085,459	2,229,686		2,229,686
	2,689,018	21,688,703	24,377,721		24,377,721
Cost of power to municipalities supplied at cost.....		1,895,569	1,895,569	1,895,569	
Cost of power supplied to rural power district.....	1,323,288	1,323,288			
Credit resulting from prepaid sinking fund.....		702,206	702,206		702,206
Total, including provisions for stabilization of rates and contingencies.....	4,012,306	17,767,640	21,779,946	1,895,569	23,675,515
<b>AMOUNTS BILLED:</b>					
Municipalities supplied with power at cost (at interim rates).....				2,120,805	2,120,805
Rural power district.....	3,162,868		3,162,868		3,162,868
Other customers.....		19,919,146	19,919,146		19,919,146
Total.....	3,162,868	19,919,146	23,082,014	2,120,805	25,202,819
Excess or deficiency of amounts billed over cost of power.....	849,438	2,151,506	1,302,068	225,236	1,527,304
Deduct:					
Credited to municipalities on annual adjustment.....				225,236	225,236
Interest on borrowings to finance deficit account.....			33,714		33,714
Balance transferred to Surplus—Account of the Province of Ontario			1,268,354		1,268,354

Statement of Surplus—Account of the Province of Ontario  
for the Year Ended December 31, 1955

Balance at debit January 1, 1955.....	\$ 785,047
Add amount transferred to accumulated depreciation, power system—additional provision with respect to prior years.....	264,856
	\$ 1,049,903
Deduct net surplus from operations for the year ended December 31, 1955.....	1,268,354
	\$ 218,451
Balance at credit December 31, 1955.....	

THE HYDRO-ELECTRIC POWER

FUNDED DEBT AS AT

*Guaranteed as to principal and interest*

Date of maturity	Callable at par on or after	Date of issue	Interest rate
			per cent
Mar. 31, 1956-1957 (e).....	.....	Mar. 31, 1952	3
April 1, 1956.....	.....	April 1, 1947	2
Aug. 1, 1957.....	.....	Aug. 1, 1917	4
June 1, 1958.....	.....	June 1, 1918	4
Dec. 1, 1958.....	.....	Dec. 1, 1918	4
Jan. 1, 1960.....	Jan. 1, 1955	Jan. 1, 1945	3
Mar. 15, 1960.....	Mar. 15, 1959(g)	Mar. 15, 1954	2.60
Mar. 15, 1961.....	Mar. 15, 1959(g)	Mar. 15, 1954	2.65
Mar. 15, 1962.....	Mar. 15, 1959(g)	Mar. 15, 1954	2.70
Mar. 1, 1963.....	Mar. 1, 1961	Mar. 1, 1948	3
Mar. 1, 1963.....	Mar. 1, 1962	Mar. 1, 1955	3
Mar. 15, 1963.....	Mar. 15, 1959(g)	Mar. 15, 1954	2.75
Mar. 15, 1964.....	Mar. 15, 1959(g)	Mar. 15, 1954	2.80
May 15, 1964.....	May 15, 1962	May 15, 1954	3
July 2, 1964.....	July 2, 1960	July 2, 1948	3
Dec. 15, 1965.....	Dec. 15, 1963	Dec. 15, 1948	3
May 1, 1966.....	May 1, 1964	May 1, 1951	3½
Jan. 15, 1967.....	Jan. 15, 1965	Jan. 15, 1952	4
Mar. 15, 1967.....	Mar. 15, 1964	Mar. 15, 1953	4¼
April 1, 1967.....	April 1, 1964	April 1, 1947	2¾
April 1, 1967.....	April 1, 1965	April 1, 1949	3
Nov. 1, 1967.....	Nov. 1, 1964	Nov. 1, 1952	4¼
Nov. 1, 1967.....	Nov. 1, 1964	Nov. 1, 1952	4¼
Jan. 15, 1968.....	Jan. 15, 1966	July 15, 1949	3
April 15, 1968.....	April 15, 1966	April 15, 1952	4
Oct. 1, 1968.....	Oct. 1, 1965	Oct. 1, 1947	2¾
July 15, 1969.....	July 15, 1966	July 15, 1953	4¼
July 15, 1969.....	July 15, 1966	July 15, 1953	4¼
Nov. 1, 1969.....	Nov. 1, 1967	Nov. 1, 1949	3
Jan. 1, 1970.....	.....	Jan. 1, 1930	4¾
April 1, 1970.....	April 1, 1968	April 1, 1950	3
May 15, 1971.....	May 15, 1956(a)	May 15, 1951	3¼
June 1, 1971.....	June 1, 1961	June 1, 1946	2¾
Sept. 1, 1972.....	Sept. 1, 1956(a)	Sept. 1, 1951	3¼
June 15, 1973.....	June 15, 1971	June 15, 1950	3
Feb. 1, 1975.....	Feb. 1, 1958	Feb. 1, 1953	3¼
Mar. 1, 1977.....	Mar. 1, 1975	Mar. 1, 1955	3½
Nov. 1, 1978.....	Nov. 1, 1958(f)	Nov. 1, 1953	3½
May 15, 1979.....	May 15, 1974	May 15, 1954	3½
Oct. 15, 1979.....	Oct. 15, 1974	Oct. 15, 1954	3½
Mar. 15, 1980.....	Mar. 15, 1959(h)	Mar. 15, 1954	3½

Total funded debt (at par of exchange).....

Summary of changes in funded debt

Outstanding at January 1, 1955.....  
Less redemptions during year.....

Add new bond issues during year.....

Outstanding at December 31, 1955.....

*Payable in the*

Canadian.....

United States.....

Canadian, United States, or Sterling.....

(a) Callable at 101.

(b) Payable in U.S. funds.

(c) Payable in Canadian, U.S., or Sterling funds.

(d) Held by Province of Ontario and having terms identical with issues sold in the United States by the Province of Ontario, on behalf of the Commission. (e) \$5 million annually 1956-1957. (f) Callable at 102½.

(g) Callable at a premium of ¼% for each year or fraction thereof between call-date and maturity.

(h) Callable at 103 prior to March 15, 1961, at ½% less during each three-year period prior to March 15, 1976 and thereafter at par.

## COMMISSION OF ONTARIO

DECEMBER 31, 1955

by the Province of Ontario (except issues marked\*)

Principal outstanding December 31, 1955

Southern Ontario System	Northern Ontario Properties	Total
\$	\$	\$
10,000,000	.....	10,000,000*
3,746,545	3,393,455	7,140,000
8,000,000(c)	.....	8,000,000(c)
200,000	.....	200,000
100,000	.....	100,000
.....	7,500,000	7,500,000
4,000,000(b)	.....	4,000,000*(b) (d)
4,000,000(b)	.....	4,000,000*(b) (d)
4,000,000(b)	.....	4,000,000*(b) (d)
25,490,000	8,610,000	34,100,000
25,000,000	.....	25,000,000
4,000,000(b)	.....	4,000,000*(b) (d)
4,000,000(b)	.....	4,000,000*(b) (d)
13,500,000	1,500,000	15,000,000
26,280,000	13,620,000	39,900,000
45,000,000	.....	45,000,000
24,000,000	6,000,000	30,000,000
48,000,000	2,000,000	50,000,000
40,000,000	.....	40,000,000
10,703,455	3,996,545	14,700,000
11,600,000	32,300,000	43,900,000
35,000,000	.....	35,000,000
22,000,000	3,000,000	25,000,000
37,000,000	6,300,000	43,300,000
50,000,000	.....	50,000,000
13,500,000	5,800,000	19,300,000
35,000,000	.....	35,000,000
25,000,000	.....	25,000,000
38,000,000	11,500,000	49,500,000
11,864,000	.....	11,864,000
48,500,000	5,300,000	53,800,000
47,000,000(b)	3,000,000(b)	50,000,000*(b) (d)
13,910,000	4,290,000	18,200,000
44,000,000(b)	.....	44,000,000*(b) (d)
52,000,000	2,300,000	54,300,000
49,000,000(b)	.....	49,000,000*(b) (d)
27,000,000	13,000,000	40,000,000
45,000,000(b)	5,000,000(b)	50,000,000*(b) (d)
31,500,000	3,500,000	35,000,000
42,000,000	8,000,000	50,000,000
30,000,000(b)	.....	30,000,000*(b) (d)
1,008,894,000	149,910,000	1,158,804,000

during year ended December 31, 1955

\$ 969,754,000	\$139,960,000	\$1,109,714,000
12,860,000	3,050,000	15,910,000
\$ 956,894,000	\$136,910,000	\$1,093,804,000
52,000,000	13,000,000	65,000,000
\$1,008,894,000	\$149,910,000	\$1,158,804,000
following currencies:		
\$ 765,894,000	\$141,910,000	\$ 907,804,000
235,000,000	8,000,000	243,000,000
8,000,000	.....	8,000,000
\$1,008,894,000	\$149,910,000	\$1,158,804,000

THE HYDRO-ELECTRIC POWER

ADVANCES FROM THE PROVINCE OF

*Repayable to the Province in accordance with the terms of Province*

Date of maturity	Description	Interest rate
		per cent
January 15, 1956-1957.....	Serial bonds	4½
November 1, 1956-1957.....	Serial bonds	4½
May 15, 1956-1968.....	Annuity bonds	4
May 15, 1956-1970.....	Annuity bonds	4½
January 15, 1956-1971.....	Annuity bonds	4½
June 1, 1956-1971.....	Annuity bonds	4
May 1, 1959.....	Bonds	5
December 2, 1960.....	Bonds	5
Total advances (at par of exchange).....		

Summary of changes in advances from Province

Balance of advances at January 1, 1955.....
Less repayments during year.....
Balance of advances at December 31, 1955.....

## COMMISSION OF ONTARIO

## ONTARIO AS AT DECEMBER 31, 1955

*of Ontario bonds issued in part for the purposes of the Commission*

Balance of advances outstanding December 31, 1955 (Payable in Canadian, United States, or Sterling funds)		
Southern Ontario System	Northern Ontario Properties	Total
\$	\$	\$
380,459	91,371	471,830
670,463	79,665	750,128
6,116,964	413,134	6,530,098
5,101,040	1,236,226	6,337,266
2,800,211	687,848	3,488,059
3,573,624	1,318,826	4,892,450
11,129,972	2,328,952	13,458,924
11,510,295	2,583,807	14,094,102
41,283,028	8,739,829	50,022,857

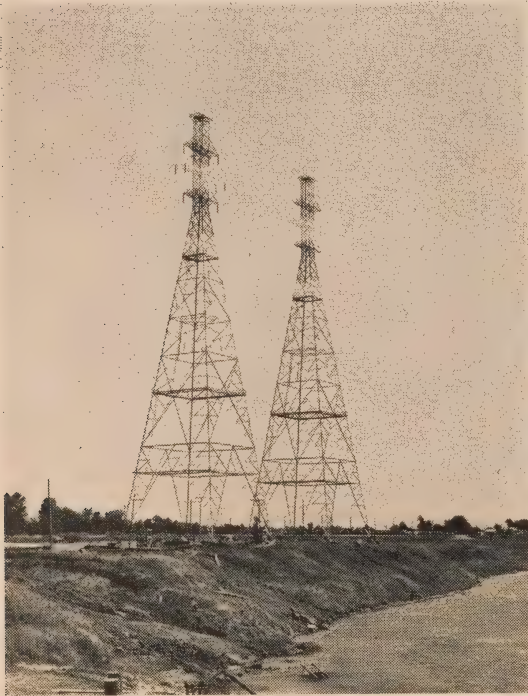
## of Ontario during year ended December 31, 1955

\$42,878,778	\$9,037,405	\$51,916,183
1,595,750	297,576	1,893,326
<u>\$41,283,028</u>	<u>\$8,739,829</u>	<u>\$50,022,857</u>

## SECTION III

### THE COMMISSION'S CUSTOMERS

**T**HE first phase of the Commission's operations as defined in the Foreword involved the supply of power in wholesale quantities during 1955 to municipal electrical utilities and local distribution systems, to direct industrial customers, and to the 105 operating areas in the rural power district. The table on page 203 shows the relative importance of these groups in the Commission's operations by indicating the share of each in the total of 21,027,877,441 kilowatt-hours of primary electric energy disposed of in wholesale quantities. Secondary energy amounting in total to 3,087,969,391 kilowatt-hours was also delivered to the Commission's direct industrial customers.



**ST. LAWRENCE POWER PROJECT**—These giant steel towers carry four 230-kv circuits across the river. The conductor span they support in suspension is 3,323 feet long, of steel-reinforced aluminum. These towers are 335 feet high and are the tallest ever erected by the Commission.

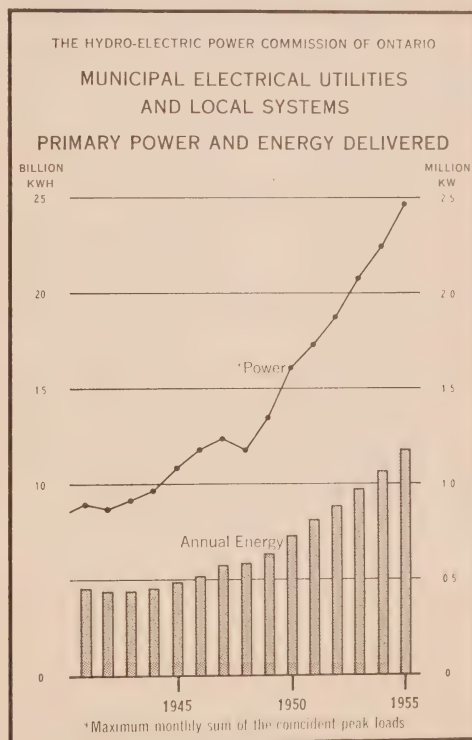
The retail distribution of electric energy by the municipal electrical utilities is discussed in Section VIII where, for convenience, service to ultimate customers in the 30 municipalities supplied through Commission-owned local systems is also discussed. In Section VIII are included the financial reports of the municipal utilities as well as annual and historical statistics relative to all classes of customers served by the utilities and local systems. Rural electrical

service, which includes both wholesale and retail aspects of supply, is treated in a separate subdivision of this section beginning on page 39. A total of 1,325 communities were supplied through the combined facilities of the municipal electrical utilities and the Commission. Included were 27 cities, 135 towns, 11 townships, 10 improvement districts, 150 villages, 172 police villages, and 820 townships organized and unorganized.

## MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

During 1955 the number of municipal electrical utilities was increased from 338 to 343 when the municipal utilities of the villages of Alfred, Port Burwell, Massey, and Webbwood, and of the township of Chapleau took over the supply of customers in their respective municipalities. The first four had been previously served by the Commission, Port Burwell through rural facilities and the other three by Commission-owned local systems. The village of Hornepayne was served through a Commission-owned local system beginning in February 1955. Of the 343 municipal utilities, 327 were served on a cost-contract basis in 1955.

The maximum monthly sum of the coincident peak loads of the utilities and local systems was 2,472,887 kilowatts, an increase of 10.1 per cent over the maximum in 1954. The corresponding energy supplied during the year was 11,762,820,790 kilowatt-hours, an increase of 10.1 per cent over the total supplied in 1954.



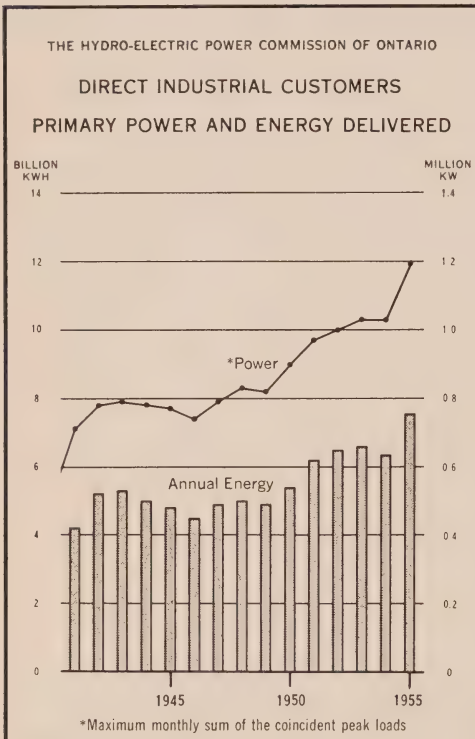
The peak loads of the various municipal utilities and local systems are given in the table beginning on page 206. Each peak load represents the maximum average demand of the utility during any twenty consecutive minutes in the month of December. This maximum is obtained by reading coincident values at all points of delivery.

## DIRECT INDUSTRIAL CUSTOMERS

At the end of 1955 the Commission was supplying 196 direct industrial customers whose requirements could not be readily met by the municipal utilities or through the facilities of the rural operating areas. Many of these customers are located in unorganized townships in northern Ontario. The total represents a net increase of eight in the number of customers served. Among those added were five uranium mines, two companies engaged in construction at the St. Lawrence Power Project, and one building products manufacturer.

Operations were discontinued during the year by mining customers at five locations.

The maximum monthly sum of the coincident peak loads of the direct industrial customers was 1,198,156 kilowatts and this maximum occurred in September. It was 15.9 per cent greater than the May 1954 maximum of 1,033,601 kilowatts. In the accompanying table of comparative annual loads by types of industry, the average of the monthly peak loads is given as a more reasonable measure of activity within particular industries.



As in 1954, pulp and paper companies, the chemical and electro-chemical groups, and base-metal mining, in that order, were the largest users of energy delivered to direct industrial customers in 1955. For each group there was a substantial increase in primary energy delivered and their combined increase represented more than half of the 17.4 per cent increase in total energy delivered. The chemical and electro-chemical group, like the steel and electro-metallurgical group showed a particularly sharp increase in their energy takings after a two-

year period of relatively stable or declining load. The annual energy delivered to the steel and electro-metallurgical group, however, did not reach the level established in 1951 and 1952.

The greatest increases in mining activity took place in northern Ontario in three principal areas, one around Blind River, one near Lake Manitouwadge, and the third in the area of Steep Rock Lake. The first is a centre of extensive uranium mining, and the second chiefly of base-metal mining. In the Steep Rock area major dredging operations were carried out through a large part of

the year preparatory to further large-scale iron mining. By the end of the year about 72,000 kilowatts were being supplied to this area to meet the needs of the Commission's industrial customers engaged in this type of mining activity. Considerable mining activity, for the most part in uranium, also took place in the vicinity of Bancroft in southern Ontario.

### Primary Power and Energy Supplied to Direct Industrial Customers, By Types of Industry

Type of industry	Average of the monthly peak loads		Annual energy delivered		Increase or decrease
	1954	1955	1954	1955	
	kw	kw	kwh	kwh	per cent
Pulp and Paper.....	206,835	228,526	1,481,387,004	1,640,563,220	10.7
Mining:					
(a) Gold.....	83,349	86,055	582,596,906	598,244,997	2.7
(b) Silver and Cobalt.....	5,063	4,030	27,230,732	21,391,720	21.4
(c) Base Metals.....	136,807	178,473	938,761,523	1,198,813,752	27.7
(d) Uranium.....		1,621		8,107,387	
(e) Non-Metals.....	3,390	4,050	18,137,665	21,469,675	18.4
Quarrying, Cement, and Basic Building Materials.....	26,295	27,378	166,599,155	176,184,808	5.8
Steel and Electro-Metallurgical.....	141,678	172,533	648,789,680	883,750,783	36.2
Abrasives.....	66,962	75,246	521,514,964	585,516,000	12.3
Chemical, Electro-Chemical, and Cyanamid.....	145,255	179,098	1,129,957,956	1,393,945,103	23.4
Grain Elevators and Milling.....	8,333	8,249	32,763,950	30,914,700	5.6
Transportation Services and Communications.....	3,320	3,738	15,586,717	18,058,839	15.9
Government Services and Institutions.....	21,381	23,926	92,692,442	102,652,732	10.7
General Manufacturing.....	72,031	79,156	339,819,382	372,313,235	9.6
Miscellaneous.....	60,620	62,033	365,440,490	418,185,874	14.4
Total.....	981,319	1,134,112	6,361,278,566	7,470,112,825	17.4

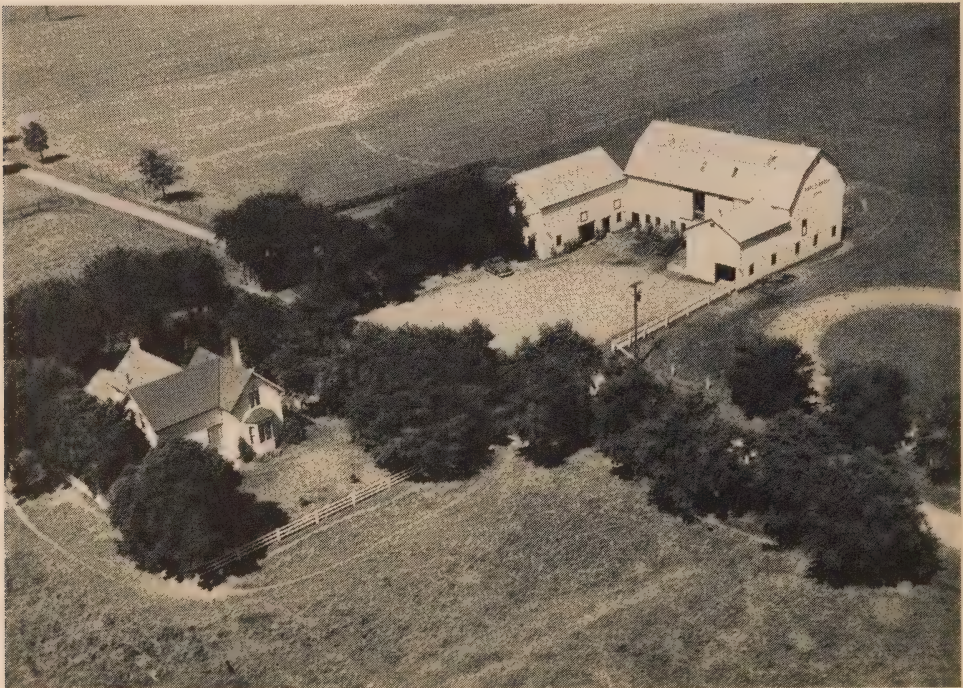
### RURAL ELECTRICAL SERVICE

During 1955 rural primary line construction resulted in a net addition of 1,312 miles of rural distribution line and the net addition of 28,219 rural customers. At the end of the year a total of 418,836 customers were being served over 43,851 miles of rural distribution line. The achievement of the rural program for 1955 was considerably greater than the achievement of 1954 and about equivalent to that of 1953.

Numerically the largest net increases in line mileage took place in the Georgian Bay and East Central Regions, while the largest net increase proportional to the 1954 total took place in the Northwestern Region. About one in every ten customers of the total net increase was a farm service customer, six were hamlet service, and two were summer service customers. The total net increase in farm service customers was 2,635, almost half this total being in the Georgian Bay and East Central Regions. It is interesting to note that these large increases in farm services coincided with correspondingly large increases in the number of hamlet and summer service customers in the same regions. On occasions, it is possible to provide economical service to farms only when the cost of additional line can be shared by other types of service. The proportion of farm to total rural services at December 31 was still about one in three.

**Rural Power District****NET INCREASE IN MILEAGE OF PRIMARY LINES AND NUMBER OF CUSTOMERS DURING 1955**

Regions by systems	Miles of primary line	Number of customers					
		Farm	Hamlet	Com-mercial	Summer	Power	Total
SOUTHERN ONTARIO SYSTEM							
Western.....	131.94	366	3,182	339	241	55	4,183
West Central.....	57.90	284	2,338	209	274	21	3,126
Niagara.....	21.92	20	1,477	111	120	17	1,745
Toronto.....	28.25	57	1,436	123	95	19	1,730
Georgian Bay.....	370.51	775	2,175	374	3,055	25	6,404
East Central.....	273.04	448	2,060	346	1,339	23	4,216
Eastern.....	172.40	502	1,845	212	593	18	3,170
Total.....	1,055.96	2,452	14,513	1,714	5,717	178	24,574
NORTHERN ONTARIO PROPERTIES							
Northeastern.....	132.77	144	1,939	297	441	33	2,854
Northwestern.....	122.88	39	394	95	259	4	791
Total.....	255.65	183	2,333	392	700	37	3,645
Total—All systems.....	1,311.61	2,635	16,846	2,106	6,417	215	28,219

**AN ATTRACTIVE FARM PROPERTY IN RURAL ONTARIO**

The large majority of farms in the Province are electrified. The service transformer for this well-arranged farmstead is centrally located to serve the various requirements of the farm.



**ANIMAL HUSBANDRY**—Lambs beneath a horizontal protective barrier are warmed by an infra-red heat lamp.

A large proportion of the occupied farms of the Province are now supplied with electricity. The program of rural line construction has tended, therefore, to become one of consolidation rather than extension. Under these conditions the rate of increase in rural line mileage may not continue at the particularly high levels established during the middle years of the past decade. In the number of customers served, however, the rate of increase in 1955 was about the average rate prevailing over the past seven years which include the period of the greatest growth in the history of rural electrification in Ontario.

#### Capital Investment

The net increase in fixed assets representing rural distribution facilities amounted to \$15,565,441 during 1955. The Provincial Government's

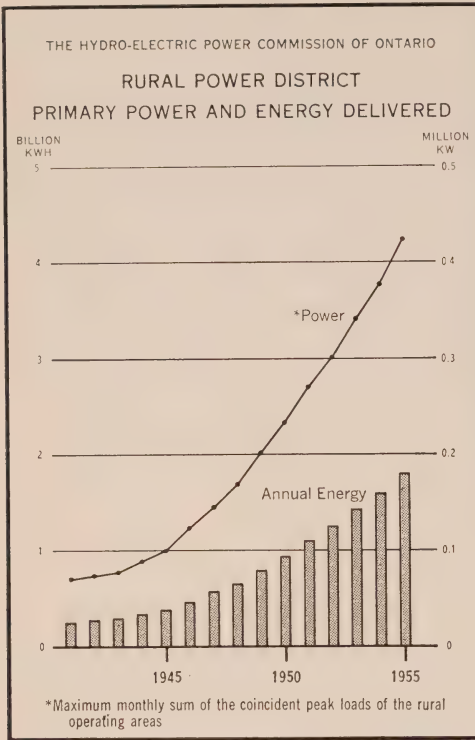
grant-in-aid for the same period, made in accordance with The Rural Hydro-Electric Distribution Act, was \$7,922,613. The total capital investment in rural

#### Rural Power District

##### INVESTMENT IN FIXED ASSETS AT COST AS AT DECEMBER 31, 1955

Regions by systems	1954	1955	Net increase
<b>SOUTHERN ONTARIO SYSTEM</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Western.....	31,467,968	33,866,304	2,398,336
West Central.....	26,193,356	27,840,684	1,647,328
Niagara.....	7,499,868	8,114,238	614,370
Toronto.....	9,923,314	11,134,234	1,210,920
Georgian Bay.....	32,486,886	35,477,857	2,990,971
East Central.....	25,657,968	28,492,117	2,834,149
Eastern.....	22,503,518	24,329,405	1,825,887
Total.....	155,732,878	169,254,839	13,521,961
<b>NORTHERN ONTARIO PROPERTIES</b>			
Northeastern.....	18,693,492	20,037,140	1,343,648
Northwestern.....	8,040,756	8,740,588	699,832
Total.....	26,734,248	28,777,728	2,043,480
Total—All systems.....	182,467,126	198,032,567	15,565,441
Provincial assistance.....	90,786,082	98,708,695	7,922,613

distribution facilities at the end of the year was \$198,032,567, of which \$98,708,695 had been provided by the Provincial Government as assistance to agriculture.



### Load Growth

A 12.0 per cent increase in total primary power supplied to the rural power district brought the maximum monthly sum of the coincident peak loads of the rural operating areas to 424,640 kilowatts, as compared with 379,056 kilowatts in 1954. Primary energy delivered in wholesale quantities to the rural power district increased from 1,605,933,434 kilowatt-hours in 1954 to 1,794,943,826 kilowatt-hours in 1955, which represents a growth of 11.8 per cent.

All classes of rural service showed increases in energy consumption that reflect the growing numbers of customers served. All but summer service showed increases also in average consumption per customer, the largest proportional increase being in hamlet and commercial service. The total retail consumption, street lighting included, was

1,595,440,459 kilowatt-hours, an increase of 163,521,686 kilowatt-hours over the total of 1,431,918,773 kilowatt-hours supplied in 1954.

The average cost per kilowatt-hour for all services except summer service was lower in 1955 than in 1954. For hamlet, commercial, and power service this is the second successive decrease in average cost per kilowatt-hour since the upward revision of rural rates in 1953.

These rates are shown for the five main classes of service in Appendix III, where a brief description of each class of service is also given. Uniform rates apply throughout the Province for farm, hamlet, commercial, and summer service.



**FARM ELECTRIFICATION**—The refrigerator unit shown in the upper part of the picture keeps radishes market fresh in this farm storage room.

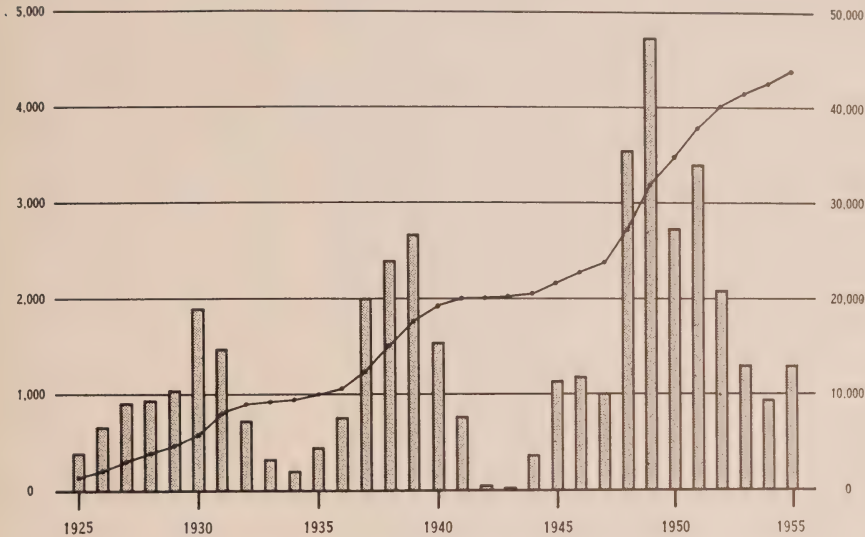
THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

RURAL POWER DISTRICT

NET INCREASE  
IN YEAR

MILES OF PRIMARY LINE

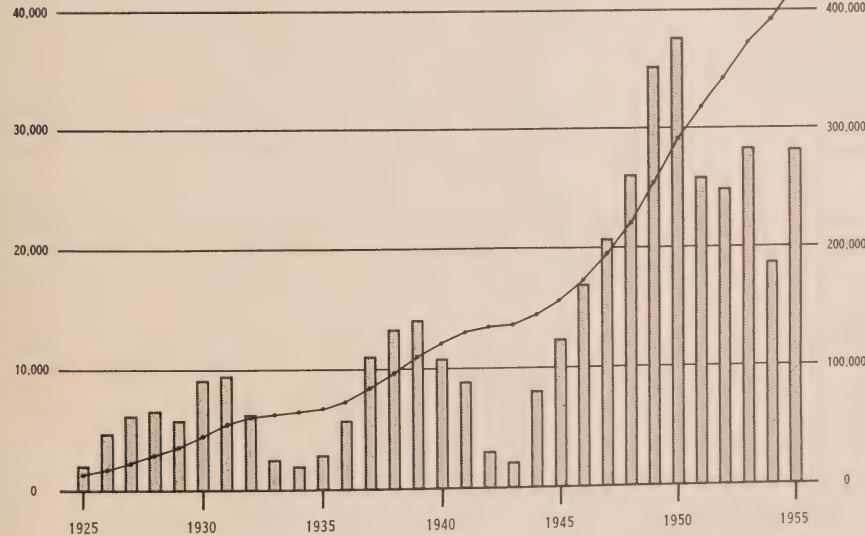
TOTAL AT  
END OF YEAR



NET INCREASE  
IN YEAR

NUMBER OF CUSTOMERS

TOTAL AT  
END OF YEAR



## Rural Electrical Service 1945-1955

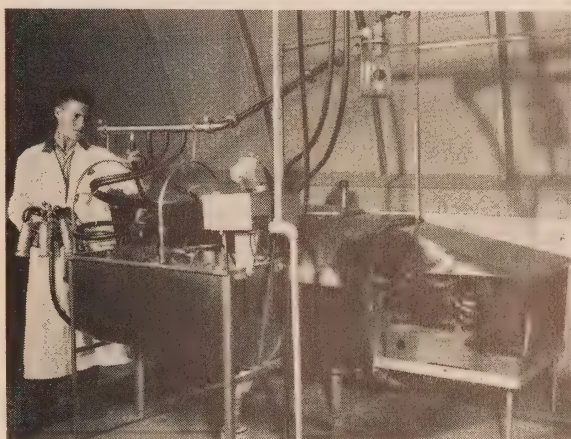
## CUSTOMERS, REVENUE, AND CONSUMPTION BY CLASSES OF SERVICE

Class of service	Year	Revenue	Consumption	Customers	Monthly consumption per customer	Average cost per kwh
		\$	kwh	No.	kwh	¢
Farm.....	1945	2,606,431.15	137,194,727	65,141	183	1.90
	1946	3,072,921.16	176,460,859	72,285	214	1.74
	1947	3,430,307.61	206,420,795	78,990	227	1.66
	1948	3,942,730.96	242,273,102	88,754	241	1.63
	1949	4,508,978.00	275,946,330	102,786	240	1.63
	1950	7,441,437.92	403,018,641	114,725	265	1.85
	1951	8,097,710.92	410,722,321	123,434	287	1.97
	1952	9,017,321.17	468,478,642	129,451	309	1.92
	1953	11,053,487.41	510,783,290	133,522	324	2.16
	1954	12,207,502.58	561,672,463	136,013	347	2.17
	1955	12,915,852.58	597,063,469	138,648	362	2.16
Hamlet.....	1945	2,027,283.82	92,056,781	59,912	132	2.20
	1946	2,345,531.81	118,287,655	65,661	157	1.98
	1947	2,754,265.59	150,411,043	74,556	179	1.83
	1948	3,279,149.63	185,225,412	85,838	193	1.77
	1949	3,552,600.42	200,875,642	98,453	182	1.77
	1950	5,712,108.72	302,905,040	115,464	202	1.89
	1951	6,380,808.20	314,271,957	124,091	219	2.03
	1952	7,253,640.00	366,600,438	133,193	238	1.98
	1953	9,560,018.46	430,507,266	150,627	253	2.22
	1954	11,194,393.02	510,800,965	160,552	274	2.19
	1955	12,734,130.77	592,590,431	177,398	292	2.15
Commercial.....	1945	381,570.09	18,915,619	9,022	182	2.02
	1946	468,391.94	25,069,924	10,291	216	1.87
	1947	572,625.58	33,304,037	12,079	248	1.72
	1948	706,949.62	41,665,764	13,489	272	1.70
	1949	1,147,167.71	69,458,813	15,576	398	1.65
	1950	2,083,696.71	113,039,553	17,879	483	1.84
	1951	2,284,851.74	115,121,444	20,110	505	1.98
	1952	2,457,032.13	125,932,132	24,564	470	1.95
	1953	3,385,239.46	149,120,428	28,870	465	2.27
	1954	3,707,824.28	166,176,082	30,403	467	2.23
	1955	3,996,936.76	186,698,211	32,509	495	2.14
Summer.....	1945	473,887.53	14,250,142	21,877	57	3.33
	1946	555,833.10	18,352,748	24,368	66	3.03
	1947	632,102.22	21,116,561	27,615	68	2.99
	1948	722,951.54	24,440,522	31,175	69	2.96
	1949	855,107.11	28,038,463	37,536	68	3.05
	1950	1,376,606.36	32,307,669	43,733	66	4.26
	1951	1,616,368.92	36,705,187	49,913	65	4.40
	1952	1,826,359.64	40,319,422	55,159	64	4.53
	1953	1,833,881.12	34,287,310	57,547	51	5.35
	1954	2,034,199.00	38,613,327	62,183	54	5.27
	1955	2,214,360.48	40,493,631	68,600	52	5.47
Power.....	1945	801,755.45	61,780,750	608	8,231	1.30
	1946	695,585.62	52,234,081	757	6,378	1.33
	1947	791,701.84	56,514,985	813	6,000	1.40
	1948	868,667.70	64,376,898	833	6,519	1.35
	1949	922,265.51	62,692,652	944	5,880	1.47
	1950	1,429,465.54	87,983,478	1,010	6,433	1.62
	1951	1,562,608.29	87,692,082	1,058	7,067	1.78
	1952	1,799,924.89	102,608,301	1,170	7,676	1.75
	1953	2,147,899.48	121,310,479	1,289	8,222	1.77
	1954	2,545,737.21	148,176,508	1,466	8,964	1.72
	1955	2,934,852.81	171,202,169	1,681	9,067	1.71

## REPORTS FROM THE REGIONS AND SERVICES TO CUSTOMERS

A regional office is located in each of the nine regions of the Province in order to administer the affairs of the Commission effectively and to bring the public into close touch with its staff. These offices are located in the following municipalities: London, Hamilton, Niagara Falls, Toronto, Barrie, Belleville, Ottawa, North Bay, and Port Arthur. The regional manager and his staff, which includes representatives of the appropriate divisions of the Head Office organization, are responsible within the region for the day-to-day activities of the Commission.

A variety of services are made available to customers—municipal, industrial, and rural—through the Commission's staff both in the regional offices and at Head Office. Some of these services are discussed on pages 59 and 60. The regional staffs in particular co-operate closely with the municipal utilities and when required give advice and assistance to them in their engineering and administrative problems. Engineering and construction work in the improvement or extension of a municipal distribution system may on occasion actually be carried out by the Commission's staff at the request of a utility. Reports relative to activities of particular importance to certain municipalities follow. The municipalities are grouped in their respective regions, and the order of the regions is that followed above in naming the municipalities where regional offices are located.



**NEW TECHNIQUES IN THE FARM DAIRY**—An electrically operated washing apparatus and bulk milk cooler

### WESTERN REGION

#### **Amherstburg**

Forty 400-watt, mercury-vapour lights mounted on concrete poles were installed on Sandwich Street. A power service customer installed a 1,200-kva, 27.6-kv station.

#### **Chatham**

To facilitate frequency standardization in areas where building expansion is rapid, banks of ducts with 4,000-volt cables were installed.

#### **Parkhill**

A one-storey building on the main street was purchased by the Public Utilities Commission. The building will be used as a combined office and storeroom.

**Point Edward**

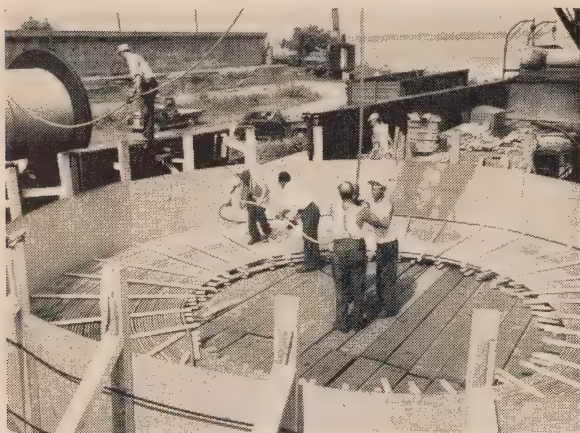
A new office building for the Public Utilities Commission is under construction and will be ready for occupancy early in 1956.

**Port Burwell**

On August 1, 1955 the village acquired ownership of the distribution system and arranged to purchase power from the Commission under a cost contract.

**Sandwich East Township**

A vote of the township ratepayers taken early in December authorized the 1956 council to proceed with the purchase of the distribution system and to enter into a cost contract with Ontario Hydro for a supply of power.

**SUBMARINE CABLE TO PEELEE ISLAND**

Coiling operation on the barge preparatory to laying the 11-mile cable to Pelee Island in Lake Erie. Service to the island was provided at 7,200 volts.

**Sandwich West Township**

The township entered into an agreement with the Commission as a cost-contract municipality and a transfer of the local assets will be made early in 1956.

**Sarnia**

Street-lighting installations on two streets in the commercial district were completely modernized by the installation of mercury-vapour, 400-watt multiple units mounted for the most part on steel poles.

**Tillsonburg**

Additions were made to the distribution system in preparation for frequency standardization. Plans for a new office building to be constructed in 1956 were completed.

**Wallaceburg**

A 6,000-kva municipal substation on Queen Street was completed during the year.

**Windsor**

A new Utilities Commission office building located at the corner of Ouellette and Elliott Streets was completed. The building, which is completely air-conditioned, will house the administrative and engineering offices of the electrical and the water utilities as well as the merchandising services.



WINDSOR UTILITIES COMMISSION NEW ADMINISTRATION BUILDING

**Woodstock**

A new 3,000-kva, 60-cycle substation was installed in the northeast section of the city to serve a new industrial subdivision being developed.

WEST CENTRAL REGION

Frequency standardization was completed in nine municipalities in the region and virtually completed in a tenth municipality. The city of Guelph was among the municipalities where standardization was completed. The others were the towns of Dundas, Fergus, Hespeler, and Preston, and the villages of Ancaster, Elora, Lynden, Rockwood, and Stoney Creek.

Extensive rehabilitation of distribution facilities was carried out in Elora, Lynden, Palmerston, Paris, Port Dover, Simcoe, Tavistock, Waterford, and Wellesley.

Improvements in street lighting were made in Galt, Milverton, Preston, Simcoe, Stratford, Tavistock, and Waterloo.

**Brantford**

Plans were prepared for a new office building for the utility. Renovation of the Murray Street stores building was completed. As a result of an annexation carried out by the city and effective on January 1, 1955, 4,000 customers and 66 miles of primary distribution line were transferred from the rural operating area to the Brantford Public Utilities Commission.

**Dundas**

Two new 2,000-kva, 60-cycle substations were completed in September to meet load growth and to assist in frequency standardization.

**Elmira**

A 1,500-kva, customer-owned substation was installed to meet the growing requirements of a chemical firm.

**Fergus**

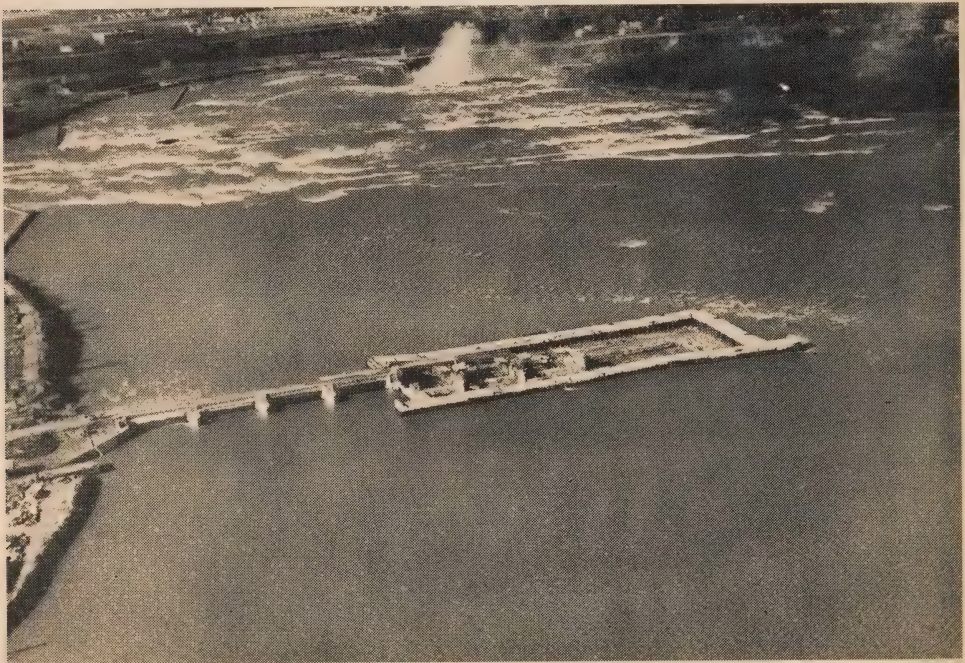
Service was provided to a new 50-bed hospital.

**Goderich**

A 750-kva, customer-owned substation was installed to supply the power requirements of a new grain elevator.

**Hamilton**

Frequency standardization was continued in the west and east areas of the city as well as in the Mountain section. The distribution system in these



**NIAGARA RIVER REMEDIAL WORKS**—The control structure in November 1955. Beyond the control structure can be seen the white water of the upper rapids and the spray from the Horseshoe Falls about a mile down stream.

sections was changed from 2,400-volt to 4,160-volt operation. A new 10,000-kva, 60-cycle substation was erected in the centre of the city and will be operated by remote control. A 1,500-kva substation was erected at a new shopping centre.

#### **Kitchener**

A 3,000-kva municipal substation was placed in service.

#### **Port Dover**

Office, storage, and garage facilities were established in recently purchased new quarters.

#### **Waterloo**

A new 3,000-kva substation was placed in service.

### **NIAGARA REGION**

In order to meet 60-cycle requirements in the region, one municipal and three customer-owned substations were placed in service, and five municipal substations were altered.

Standardization was completed in 1955 in Chippawa and Niagara-on-the-Lake. Although some 25-cycle power was still being supplied to certain industrial loads in Merritton, Niagara Falls, Port Dalhousie, St. Catharines, and Thorold, standardization operations in these municipalities were virtually complete at the end of 1955.

#### **Niagara Falls**

Two customer-owned substations, one of 450-kva capacity and the other of 300-kva capacity, were installed to serve power service customers.

#### **Stamford Township**

A new 2,000-kva municipal substation was placed in service and a 300-kva, customer-owned station was installed at a canning establishment.



**FREQUENCY STANDARDIZATION**—An electric crane trolley is removed from its track on the overhead bridge of a travelling crane during standardization of a large manufacturing plant.

## TORONTO REGION

In four municipalities—Brampton, Campbellville, Milton, and Streetsville—the work of standardization at 60-cycle frequency was completed during the year.

**Bolton**

A 3,000-kva voltage regulator was installed in the Commission's Bolton Distributing Station in order to improve voltage in the municipality and the surrounding rural area.

**Brampton**

A new 5,000-kva, 60-cycle municipal substation was placed in service during the year to replace a 25-cycle station of the same capacity.

**East York Township**

The capacities of two municipal substations were increased from 3,000 to 5,000 kva. Additions were made to garage and stores facilities.

**Etobicoke Township**

One new 8,000-kva and three new 4,000-kva bungalow-type substations were placed in service during the year. The capacities of two other substations were increased from 4,000 to 8,000 kva. Three new power service customers were supplied at 27.6 kv. The capacity of a station serving another customer was increased from 300 to 1,500 kva. During 1955 there was a net increase of 3,473 in the number of customers served by the utility.



**FREQUENCY STANDARDIZATION**—At a loading dock at a worksite in the evening, 25-cycle salvage is removed from the vehicles and 60-cycle parts are piled ready for reloading for the following day's work.

**Forest Hill**

A new 6,000-kva municipal substation was placed in service in 1955, and the capacity of Municipal Station No. 1 was increased from 9,000 to 12,000 kva.

**Georgetown**

The annexation of some 1,900 acres during the year more than doubled the area of the municipality, and involved the transfer of 44 rural customers and 7.8 miles of primary distribution line from the rural operating area to the municipal system. Ontario Hydro's Georgetown Distributing Station was completely rebuilt and its capacity was increased from 1,650 to 2,850 kva. It was then sold to the municipality.

**Long Branch**

A new power service customer was supplied at 27.6 kv.

**Markham**

The annexation of 1,350 acres of Markham Township more than trebled the area of the municipality, and involved the transfer of 41 rural customers and 2.5 miles of primary distribution line from the rural operating area to the municipal system. A new 1,800-kva distributing station replaced the Commission's former 750-kva Mount Joy Distributing Station.

**New Toronto**

A 27.6-kv, customer-owned station was increased in capacity from 1,500 to 3,000 kva. The office facilities of the local commission were improved by the addition of a second storey to the administration building.

**North York Township**

Four new 5,000-kva, bungalow-type substations were placed in service, and two temporary stations, one of 1,000-kva and the other of 3,000-kva capacity, were added to the system. Four new power service customers were supplied at 27.6 kv. Two other customers substantially increased the capacities of their substations. During the year there was a net increase of 5,971 customers in this rapidly expanding municipality.

**Richmond Hill**

A new 3,600-kva distributing station was constructed by Ontario Hydro to supply the increasing loads in the municipality and in the surrounding area. A new power service customer was supplied at 27.6 kv.

**Scarborough Township**

Six new 5,000-kva, bungalow-type substations were placed in service during the year. Three new power service customers were supplied at 27.6 kv.

**Toronto**

With the placing in service of the Commission's Toronto-Basin and Toronto-Main Transformer Stations there were eight sources of 60-cycle supply available to the Toronto Hydro-Electric System. Owing to load growth in the area a new 13.2-kv station is being constructed to replace the present Strachan Avenue Substation. Sixty-cycle equipment was being installed at Glengrove Substation, which will eventually be supplied from the nearby Toronto-Glengrove Transformer Station now under construction. The 115-kv cables from Toronto-Leaside Transformer Station to Toronto-Glengrove Transformer Station will be installed in the present ducts between these locations.

Two new 4-kv stations, Commissioners and Dupont, were completed and placed in operation in 1955; construction was started on the College and Eglinton 4-kv stations. The Brentwood, Sterling Road, and Sorauren 550-volt stations were changed over to 60-cycle operation.

Construction was also begun on a new control centre at Duplex and Eglinton Avenues which will become the "nerve centre" for the operation of the whole municipal system.

The installation of underground, 13.2-kv, 60-cycle feeders was continued. These, in addition to supplying a number of distributing stations, also supply two new Toronto Transit Commission stations, on Lansdowne Avenue south of Bloor Street, and on Granby Street east of Yonge Street. The Granby station was not in operation at the end of 1955. Underground, 13.2-kv, 60-cycle services were also supplied to an additional twenty of the system's larger power service customers, bringing the total so supplied to 62 at the end of the year.

The scope of frequency standardization operations in the city was extended in the early spring of 1955. Under the present schedule standardization should be completed about the end of 1959.

The combined load of the 25- and 60-cycle low-voltage networks serving the downtown commercial areas increased nearly 20 per cent to approximately 70,000 kilowatts, of which about 85 per cent was 60-cycle load. The combined 25- and 60-cycle peak load supplied to the system reached a maximum in November 1955 of 525,242 kilowatts, an increase of 34,573 kilowatts over the maximum of the previous year. The 60-cycle peak demand increased by 85,700 kilowatts to reach 280,500 kilowatts.

#### **Toronto Township**

One new 7,500-kva, outdoor, metal-clad substation was placed in service in 1955. A new power service customer was supplied at 27.6 kv. There was a net increase of 759 during the year in the number of customers served by the utility.

#### **York Township**

Two new distributing stations were placed in service during the year, each with an enclosed, three-phase transformer. The capacity of each transformer was 5,400 kva self-cooled, and 7,200 kva with forced-air cooling.

The substation capacity of one of the utility's power service customers was substantially increased.

### **GEORGIAN BAY REGION**

#### **Barrie**

A fourth municipal substation with a capacity of 3,000 kva was completed in December to meet the heavy demand for electric energy in Barrie.

A large power service customer installed a new 2,000-kva substation and began taking power at 44 kv in June.

#### **Bracebridge**

In order to assist the municipality in meeting its power requirements, the Commission installed a temporary 1,000-kva substation to supplement the output of three locally-owned hydro-electric generating stations. This station was placed in service in June. During the fall it supplemented the capacity of local generating stations which were severely restricted by the shortage of water.

The municipality arranged to become a cost-contract customer of Ontario Hydro commencing January 1, 1956.

**Kincardine**

A new power service customer installed a 750-kva station and in March began taking power at 44 kv.

**Midland**

In June of this year, upon completion of the change to 44-kv supply to the municipal and customer-owned substations, the supply of power at 22 kv was discontinued.

Consideration is being given to the installation of water-heater control equipment.

**Orangeville**

A power service customer recently established in Orangeville began taking power through a customer-owned, 600-kva station.

**Orillia**

The Orillia Water, Light & Power Commission sold to Ontario Hydro the rural lines formerly operated by the Orillia Commission in the Townships of Mara, Rama, and Orillia. Approximately 112 miles of primary distribution line and 1,952 customers were accordingly transferred to the Orillia Rural Operating Area.

**Paisley**

The Hydro-Electric Commission purchased from Ontario Hydro the 450-kva station supplying the municipality.

**Parry Sound**

Work is progressing satisfactorily on the change of the local distribution system from 2,400-volt to 4,160-volt operation. The physical changeover is expected to be made in the spring of 1956. The capacity of the municipal distributing station is being increased from 2,000 kva to 3,000 kva. This station provides additional power to supplement that supplied from local hydro-electric resources.

**Penetanguishene**

The Water & Light Commission has purchased from Ontario Hydro the 3,000-kva substation and associated equipment supplying the municipality.

**Ripley**

The rehabilitation of the distribution system was completed during the year.

**Victoria Harbour**

Work is continuing in the rehabilitation of the local distribution system. This is associated with a change in distribution voltage from 2,400 to 4,160 volts.

**Wingham**

The Public Utilities Commission purchased from Ontario Hydro the 2,000-kva station supplying the municipality.



**ST. LAWRENCE POWER PROJECT**—View of the powerhouse area looking south to Barnhart Island. Cofferdam C-1 encloses the area on the downstream side. This cofferdam is 4,300 feet long and has a maximum height of 60 feet. The powerhouse will be located parallel to the cofferdam a few hundred feet up stream.

#### EAST CENTRAL REGION

##### **Bath**

The distribution system was extended to provide service to the rapidly expanding subdivision of Houghton Park. Expansion in this area is due largely to the proximity of a large new industrial plant.

##### **Brighton**

The installation of mercury-vapour street lights on the main street was completed.

##### **Deseronto**

A new three-phase distribution feeder was completed to serve the industrial load in the west end of the town.

##### **Kingston**

Construction of a new 6,000-kva municipal substation at Barriefield was completed.

##### **Oshawa**

Two new 3,000-kva, 44-kv substations were placed in service to meet the growing load of the municipality. The Oshawa Public Utilities Commission undertook the construction of a new meter-shop building and also an extension to its present garage facilities.

**Peterborough**

A temporary 1,800-kva substation was installed on Romaine Street to relieve overload conditions.

**Picton**

A major program for the improvement of street lighting was completed. The system was changed over at the same time from series to multiple operation.

**Port Hope**

The construction of a new 6,000-kva municipal station and of approximately a mile of 44-kv line was completed. The load supplied from Ontario Hydro's 2,250-kva station will be transferred to the new station and this older station will be removed from service.

**Trenton**

The local utility installed a number of 400-watt fluorescent street-lighting units in the main business district. These units, mounted on concrete standards, are the first of their type to be installed in the East Central Region.

**Whitby**

A large rubber manufacturing company completed the construction of a 5,000-kva station. The company is now in production and it is expected that its operations will be expanded in the near future.

**EASTERN REGION****Alfred**

On May 1, 1955 the municipality purchased the local distribution system and took power from Ontario Hydro under a cost-contract agreement.

**Barry's Bay**

Approximately one-half of the work of rehabilitating the distribution system was completed during the year. The remaining work involves a large changeover to the joint use of poles with the Ontario Telephone Authority.

**Brockville**

The new plant of a large manufacturing firm was supplied with power at 44 kv by the municipal utility. The new Public Utilities Commission building was officially opened on August 30.

**Chalk River**

Following a detailed study initiated by the Council of the village, the rate-payers voted in favour of purchasing the local distribution system from the Provincial Commission and of entering into a contract to purchase power from the Commission at cost.

**Iroquois**

Sixty-seven homes were moved during the year from their former locations to the new town site. A new 2,000-kva distributing station was installed to serve the load requirements of the new town.

**Merrickville**

The second stage in rehabilitating the utility's distribution system was completed during 1955. Approximately one-half of the distribution system had been completely rebuilt by the end of the year.

**Ottawa**

Construction work was begun on the installation of the 115-kv, double-circuit, underground cable which will serve the new Slater Transformer Station in the downtown area. Construction of a new service centre is proceeding.

**Vankleek Hill**

Modern street lighting was installed throughout the municipality.

**Westport**

A new office and warehouse building was constructed by the electrical utility.



ST. LAWRENCE POWER PROJECT—New town of Iroquois, in the foreground, as it appeared at the end of 1955 when some seventy homes had been relocated. The original town can be seen in the background along the shore of the river.



**ST. LAWRENCE POWER PROJECT**—A street in the new town of Iroquois. All power lines are carried behind the houses, leaving the street free of overhead wires.

#### NORTHEASTERN REGION

##### **Chapleau Township**

On September 1, the municipality commenced buying power on a fixed-rate contract from Ontario Hydro. The distribution system was acquired from the private company which had served the community for many years, and which will continue to supply a quantity of power to the municipality. A diesel unit with an installed capacity of 500 kilowatts was placed in service by Ontario Hydro to augment the power supplied by the company.

##### **Coniston**

The ratepayers voted to enter into a contract with Ontario Hydro for the supply of power, and to issue debentures for the construction of a 1,500-kva substation to take this power. The present source of power is the plant of a large mining company.

##### **Hornepayne**

A 550-volt distribution system in the municipality was purchased from the Canadian National Railways and rebuilt for 4-kv operation. Power was first supplied by Ontario Hydro on February 1 from three diesel generators, one with an installed capacity of 200 kilowatts and two with capacities of 175 kilowatts. Arrangements were made for the use of the railways' 200-kilowatt unit for emergency conditions. Hornepayne is served by a Commission-owned local system.

##### **Larder Lake Township**

The capacity of the Commission's distributing station was increased in September from 450 kva to 1,000 kva.



#### LINE CONSTRUCTION IN NORTHERN ONTARIO

During 1955 about 140 miles of 115-kv wood-pole line were built in northern Ontario, for the most part to supply isolated mining loads. The above pictures show the rugged country crossed by these lines.

##### **Massey**

The local distribution system was purchased by the municipality and, commencing on January 1, 1955, was operated by a municipal Hydro-Electric Commission purchasing power from Ontario Hydro under a fixed-rate contract.

##### **Sudbury**

Construction began in August on a new building to provide office, garage, and warehouse facilities.

##### **Thessalon**

The municipality entered into an agreement to purchase power from the Commission under a fixed-rate contract which will go into effect early in 1956. A municipal distributing station with a capacity of 1,000 kva is being constructed.

##### **Webbwood**

The local distribution system was purchased by the municipality and, commencing on January 1, 1955, was operated by a municipal Hydro-Electric Commission buying power from Ontario Hydro under a fixed-rate contract.

##### **West Ferris Township**

The capacity of the municipal station was increased in June from 1,000 kva to 2,000 kva.

## NORTHWESTERN REGION

**Atikokan Township**

The municipality has shown rapid growth due in large part to the expansion of mining activity in the area. A second distributing station was erected and placed in service by the Commission on December 15, 1955.

**Port Arthur**

A municipal 4,000-kva substation, with provision for an ultimate capacity of 8,000 kva, was constructed to serve a new subdivision.

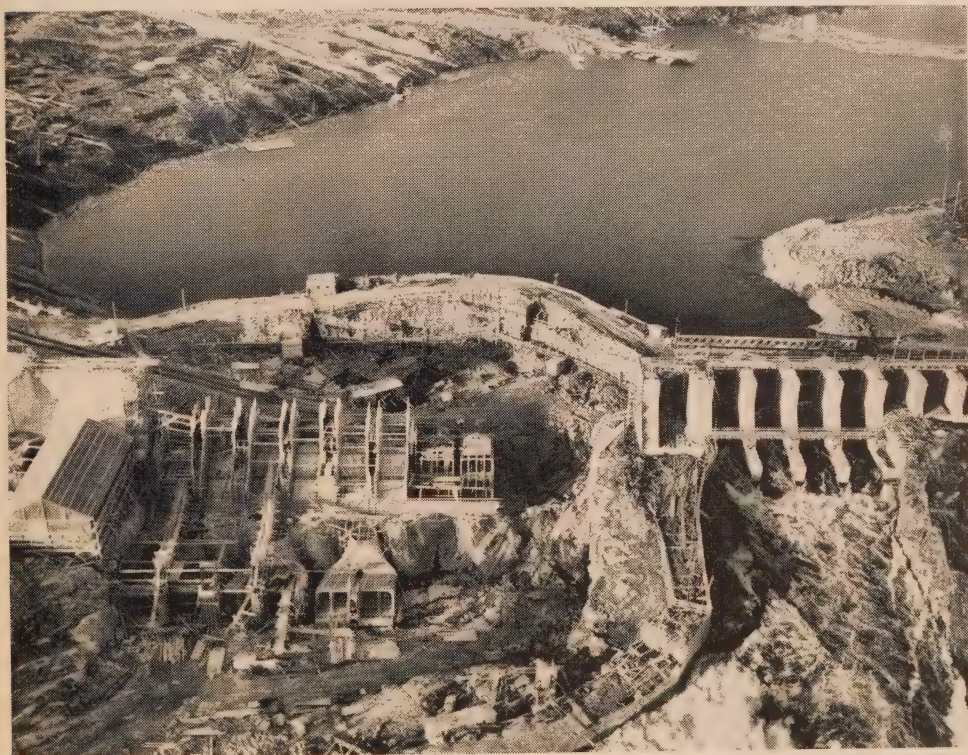
**Sioux Lookout**

In October the capacity of the Commission's distributing station was increased from 1,000 to 2,000 kva. At the same time, the local distribution system was changed from 2,400- to 4,160-volt operation. During the year substantial alterations were made in the distribution system to improve service conditions.

## SERVICES TO CUSTOMERS

**Electrical Inspection**

The Commission, under The Power Commission Act, establishes minimum standards governing electrical installations and equipment and provides for inspection to ensure the observance of these standards. Installation permits numbering in total 355,515 were issued during the year and 692,533 inspections were made.



**MANITOU FALLS GENERATING STATION**—By May 1955 most of the excavation in the powerhouse area had been completed and concreting was under way at the head-works and draft-tubes. The river is diverted through temporary openings in the sluiceways.

**Industrial Surveys**

To maintain a high power factor in a plant is important in the efficient and economical operation of the electrical equipment of both the customer and the power supplier. With the purpose of improving power factor the Commission undertook 71 power-factor surveys in plants served either by the Commission or by the municipal utilities. These surveys may assist customers in avoiding additional charges levied for low power factor. Recommendations were made for the installation of a total of 6,700 kva of capacitors which, by raising the power factor, increase the efficiency of the equipment in these plants.

Advice was given to a number of industrial customers regarding technical problems in the use of power and its distribution in their manufacturing plants.

**Lighting**

As a service to the customers of the municipal electrical utilities and the rural power district, the Commission offers advice on lighting problems and provides plans for the improvement of lighting installations. During 1955 plans and specifications were prepared for 298 lighting installations, 110 for the purpose of assisting the Department of Education in providing adequate illumination for schools, and the remainder for a variety of public or commercial lighting installations, including flood lighting and municipal street lighting.

## SECTION IV

### FREQUENCY STANDARDIZATION

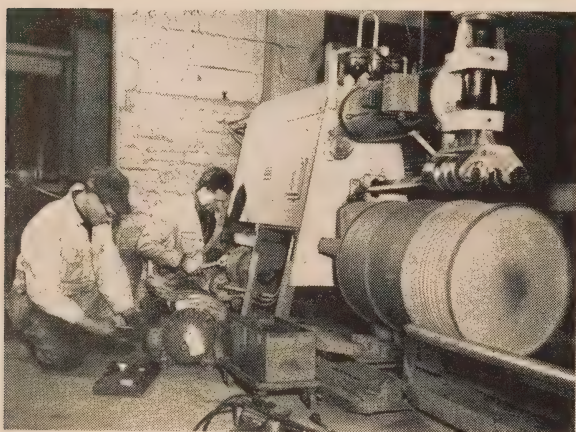
**I**N the four regions of the Southern Ontario System where standardization at 60-cycle frequency is being carried out, satisfactory progress was maintained throughout 1955. Indeed the pace of the program was accelerated considerably during the year as crews benefited from their increasing familiarity with the problems involved, and took full advantage of more efficient methods of solving them. The accelerated schedule gives promise of some saving in total cost by the possible advancement of the date for completion of the program. It must



**PROGRESS OF FREQUENCY STANDARDIZATION IN THE SOUTHERN ONTARIO SYSTEM**—as at December 31, 1955. The shaded part of the map indicates the extent to which the four regions constituting the former 25-cycle area have been standardized at 60 cycles. In a number of municipalities, designated by a square symbol on the map, power was available at both frequencies.

be borne in mind, however, that since the inception of the work the entire program has assumed considerably greater proportions than was originally estimated with regard to the total number of customers requiring standardization. Furthermore, domestic service customers are making use of an ever-increasing number and variety of frequency-sensitive appliances. Costs of labour and material have continued to rise. The increase in the volume of work to be done, coupled with increases in the cost of labour and materials, will necessarily be reflected in the total cost of the program. By the end of the year the area to be standardized, originally some 12,000 miles in extent, had been reduced to about one-third its initial size, and the cumulative total of customers whose equipment had been standardized was 617,260, or well over half the estimated number requiring standardization.

Operations during the year were carried out concurrently in four areas, in three of them by the Commission's main contractor and in the fourth by groups of local dealers and service agencies under the supervision of the Niagara Regional



A motor on a steel-drum re-roller is replaced during standardization.

Office. Bases for these operations were established in Kitchener, Chatham, and Hamilton, and at A. W. Manby Service Centre near Toronto. Operations were completed in 16 urban centres including the city of Guelph, and work was virtually completed in six other municipalities including the cities of Niagara Falls and St. Catharines. In those areas where new loads were developing rapidly, facilities were provided for supplying power at 60 cycles.

Local contractors have also shared in the work of standardization. Some of this work is undertaken on behalf of industrial customers who have assumed responsibility for standardizing their own equipment under agreements negotiated with the Commission. Approximately one-half of the industrial load changed over in 1955 was undertaken under such agreements. Local contractors have also carried out standardization for a number of customers who moved from 25-cycle to 60-cycle areas within the system.

### **Progress in Standardizing Customer Equipment**

During the past year, 101,259 services were standardized, and equipment was standardized on the occasion of 28,003 moves. A total of 780,716 frequency-sensitive items were involved, and a further 140,421 miscellaneous small items were exchanged for corresponding 60-cycle models. This represents an increase

**PROGRESS OF FREQUENCY STANDARDIZATION  
BY CLASSES OF SERVICE**

Class of service	Services standardized		Customer moves		Frequency-sensitive items standardized	
	During 1955	Total to Dec. 31, 1955	During 1955	Total to Dec. 31, 1955	During 1955	Total to Dec. 31, 1955
Domestic.....	89,803	466,923	27,316	92,899	529,449	3,337,293
Commercial.....	9,766	47,710	598	1,340	129,174	486,588
Power.....	1,690	8,096	89	292	122,093	583,466
Total standardized, all classes.....	101,259	522,729	28,003	94,531	780,716	3,407,347
Miscellaneous—Clocks, fans, and small items exchanged.....					140,421	532,395

over 1954 operations of 15.1 per cent in number of customers whose equipment was standardized, and an increase of 11.4 per cent in number of items changed for 60-cycle operation.

By the end of the year the work of standardization had been completed or virtually completed for 123 municipal electrical utilities and local systems, while a part of the work had been completed for 12 others. Standardization had also been completed in 26 rural operating areas and partially completed in nine others. The amount of power generated to meet the 60-cycle peak load in the former 25-cycle area of the Southern Ontario System increased during 1955 by approximately 422,000 kilowatts as compared with 353,000 kilowatts in 1954.

#### Standardization of Power Facilities

The standardization of power facilities was co-ordinated with the progress of the program. Work was completed on a 48,500-kva generator, the second of the two former 25-cycle units at DeCew Falls Generating Station, and engineering work was undertaken for the standardization of two 55,000-kva machines, Units No. 9 and 10 at Sir Adam Beck-Niagara Generating Station No. 1. The generators will be rebuilt by the manufacturer, and the associated transformers will be replaced by new 60-cycle transformers. The units are scheduled for service at 60 cycles by midsummer 1956. In the first stage of the standardization of Leaside Transformer Station present plans are to replace two 230—115—13.2-kv, 25-cycle transformer banks, one having a capacity of 75,000 kva and the other a capacity of 45,000 kva, with two 215,000-kva, 230—115—13.2-kv, 60-cycle autotransformers and to change the west switchyard to 60-cycle operation. In the Toronto area, in particular, substantial additions were made to transformer station capacities at 60 cycles during the year and further facilities, both transformer and switching, are planned or under construction to meet the requirements of 60-cycle customers.

#### Techniques and Procedures for Achieving Economies

In an effort to restrict the total cost of frequency standardization, the Commission continued to negotiate new agreements respecting the manufacture and sale of dual-frequency equipment. Such equipment requires the minimum of

work at the time of standardization. New agreements relating to fans and fan motors were entered into during the year, and one agreement was negotiated to cover dual-frequency refrigerator units of various capacities for use in domestic refrigeration and air-conditioning. The reduction in extent of the 25-cycle area is reflected, however, in declining quantities of dual-frequency equipment manufactured and sold under these agreements—107,522 units in 1955 as compared with 127,811 units in 1954.

On many occasions commercial and power service customers find it to their advantage to postpone the purchase of new motors until they can make 60-cycle purchases, whether these motors are merely to replace defective units or to operate new equipment. The Commission's policy is, wherever feasible, to lend these customers salvaged 25-cycle motors and thereby benefit by the consequent reduction in the amount of equipment to be standardized.

The most economical use is made of 25-cycle motors and other equipment reclaimed in standardization operations. During the year 69,244 motors, both single-phase and three-phase, were rewound for use in the standardization program, 46,232 of them in the Commission's Service Shop at A. W. Manby Service Centre. Rewound motors, increasingly used in the standardization of industrial equipment, were used for approximately 73 per cent of the connected horsepower standardized in 1955. For domestic and commercial services, about one motor in every five was replaced by a rewound motor. Controls for oil-burners, relays, timers, motor bases, and pulleys numbering in total 21,855 items were reworked or modified for 60-cycle use, 9,473 of them in the Service Shop.

The facilities of the Meter Shop, also located at A. W. Manby Service Centre, were again expanded in 1955 to meet increased requirements for meter standardization both in urban and in rural areas. Single-phase watt-hour meters, power meters, special meters, and relays, 73,995 items in all, were changed over in 1955, an increase of more than 26 per cent over the previous year's work. In addition, 9,204 meters were inspected, tested, or repaired during the year, many of them on behalf of municipal utilities.

As an economy measure, the technique was developed for standardizing refrigerators by replacing only the motor compressor and not the entire unit. It was at first used only for certain types of infrequently encountered models. With the co-operation of manufacturers it has been possible to extend the application of this method to the point where it was used during 1955 in the standardization of 14,361 refrigerators, or approximately 16 per cent of the total refrigerators encountered. It is estimated that the method will be used for about half the refrigerator standardization undertaken during 1956.

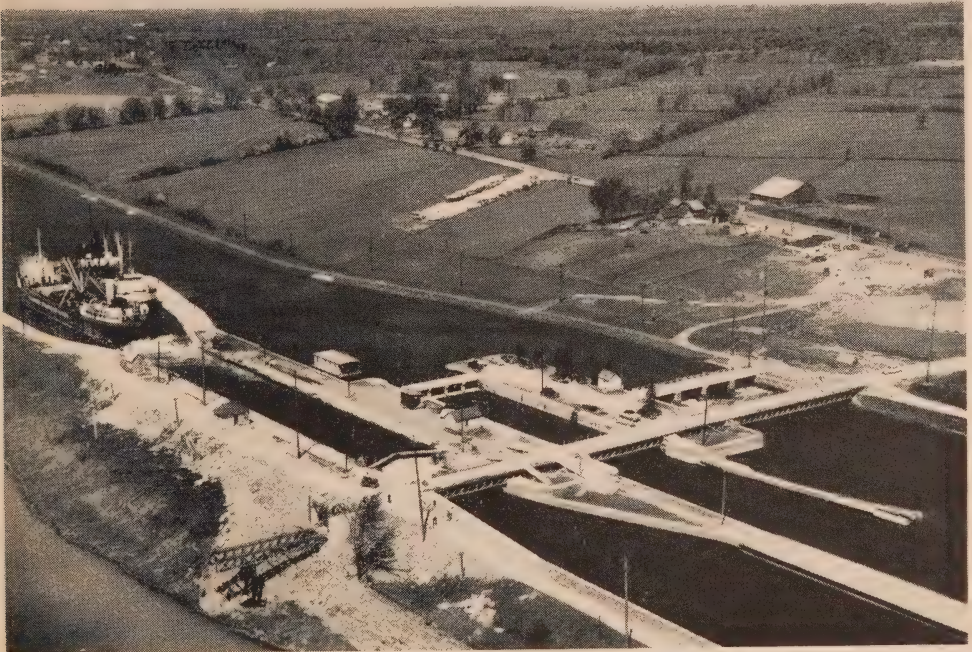
#### **Accelerated Schedule of Standardization**

It is expected that a larger program of work will be carried out in 1956 under an accelerated schedule. However, with increasing efficiency and the more extensive application of new and less expensive methods that have been developed, there is every indication that the larger program will be completed at little more cost than in 1955.

## SECTION V

### ENGINEERING AND CONSTRUCTION

**M**AJOR engineering and construction interest during 1955 was centred in the large international power project being developed by the Commission and the Power Authority of the State of New York on the St. Lawrence River, and on the pumped-storage scheme being built by the Commission adjacent to and associated with Sir Adam Beck-Niagara Generating Station No. 2. These are the last of seven major developments in the Southern Ontario System completed or undertaken by the Commission in the period of the last six years. These developments, in addition to those already mentioned, include three stations on the Ottawa River and the two large thermal-electric stations, Richard L. Hearn Generating Station at Toronto and J. Clark Keith Generating Station at Windsor.



ST. LAWRENCE POWER PROJECT—Bridge at Lock 19 on the Cornwall Canal to provide access to the powerhouse area for loads too big to go through the 16-foot tunnel below the Canal. The left span over the main channel can be retracted to allow shipping to pass.

**Summary of Ontario Hydro's Power Development Program—1945-1960  
as at December 31, 1955**

<i>System and Development</i>	<i>In service</i>	<i>Dependable peak capacity</i>
<b>SOUTHERN ONTARIO SYSTEM</b>		
DeCew Falls (extension)—Niagara Region.....	Sept. 1947	57,000
Stewartville—Madawaska River.....	Sept. 1948	63,000
Polymer Corporation (Additional power purchase contract).....	Nov. 1948	22,000
Emergency thermal-electric units.....	Jan. 1949—April 1950	20,000
Des Joachims—Ottawa River.....	July 1950—Feb. 1951	372,000
Chenaux—Ottawa River.....	Nov. 1950—Sept. 1951	117,000
Richard L. Hearn—Toronto..... (4 units)	Oct. 1951—June 1953	400,000*
..... (1 unit)	1958	200,000*
J. Clark Keith—Windsor.....	Nov. 1951—Oct. 1953	264,000*
Otto Holden—Ottawa River.....	Jan. 1952—April 1953	210,000
Sir Adam Beck—Niagara No. 2—Niagara River		
..... (12 units)	April 1954—Aug. 1955	900,000) †
..... (2 units)	1957	150,000)
..... pumped storage	1957	170,000*
Robert H. Saunders—St. Lawrence—		
St. Lawrence River..... (16 units)	1958—1960	820,000*
Nuclear Power Demonstration—near Des Joachims		
Generating Station.....	1958	20,000*
<b>NORTHERN ONTARIO PROPERTIES</b>		
<b>NORTHEASTERN DIVISION</b>		
George W. Rayner—Mississagi River.....	July 1950	47,000
<b>NORTHWESTERN DIVISION</b>		
Ear Falls (extension)—English River.....	June 1948	6,000
Aguasabon—Aguasabon River.....	Oct. 1948	44,000
Pine Portage—Nipigon River.....	July 1950—Dec. 1954	116,300
Manitou Falls—English River..... (4 units)	1956	54,400
Whitedog Falls—Winnipeg River..... (3 units)	1957—1958	54,000

\*Installed capacity.

†Installed capacity

—Two more main generating units to be added as required. Ultimate capacity—1,200,000 kilowatts.

The Annual Report for 1954 made reference to the preliminary study of the feasibility of constructing a small experimental nuclear power station. The Commission has since entered into a tripartite agreement with Atomic Energy of Canada Limited and the Canadian General Electric Company Limited to share actively and financially in designing and constructing Canada's first nuclear power development, a 20,000-kilowatt station to be located near Des Joachims Generating Station on the upper Ottawa River. The Commission will provide a site for the project, will develop plans and specifications for the conventional part, and be responsible for the cost of constructing this part of the project. The Canadian General Electric Company Limited will undertake the design and development of the nuclear part of the project and, in addition to undertaking as general contractor the construction of the station, will contribute \$2,000,000 towards design and development costs. Any costs of the nuclear section in excess of the Company's contribution will be met by Atomic Energy of Canada Limited which will also provide special design data. The Commission will operate the plant, the output of which will be fed into the Southern Ontario System.

**Expenditures on Capital Construction**  
**By Fiscal Years 1946-1955**

	Genera- tion	Transfor- mation	Trans- mission	Rural	Other	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1946.....	6,160	4,184	3,980	4,942	320	19,586
1947.....	20,725	9,587	7,892	6,672	961	45,837
1948.....	48,122	12,839	14,369	13,514	1,833	90,677
1949.....	79,472	19,172	22,061	23,827	5,584	150,116
*1950.....	86,637	28,025	30,346	19,521	6,951	171,480
1951.....	94,267	25,143	17,886	22,725	4,597	164,618
1952.....	96,682	22,954	15,628	23,033	4,534	162,831
1953.....	117,311	21,711	15,444	24,402	4,767	183,635
1954.....	76,649	15,360	16,091	20,133	4,585	132,818
1955.....	68,483	12,624	10,823	18,961	3,681	114,572
Total 1946-55.....	694,508	171,599	154,520	177,730	37,813	1,236,170

\*14-month fiscal period

In the Northwestern Division, Pine Portage Generating Station, placed in service in 1950 and subsequently extended in 1954, was more than sufficient to meet load growth until late in 1955. Recent increases in demands, however, have required the construction of generating facilities that warrant more than passing interest even in comparison with the much larger undertakings in the south.

By the end of 1953 the Commission, in addition to the extension of Pine Portage Generating Station, had begun the development of Manitou Falls on the English River with the expectation of having the first unit in service in the spring of 1956. In view of the rapid and substantial increase in demands in the division during 1955 and the expectation of further comparable increases during the next two years, construction was begun on a power development at Whitedog Falls on the Winnipeg River up stream from its confluence with the English River.

Following the decision to build the development at Whitedog Falls, and in association with it to extend the Commission's transmission facilities to the Kenora area, discussions were held with the Manitoba Hydro-Electric Board with regard to the operation of the new generating stations and also with regard to the possible interconnection of the Manitoba and Ontario systems.

Good progress was maintained on all construction projects. Details of this work are given in the pages that follow. The accompanying tables summarize the power development program of the Commission for the past ten-year period and record yearly expenditures on the various aspects of capital construction.

During 1955, extensions and adjustments involving a total expenditure of \$23,447,463 were made to the Commission's network of transmission lines, transformer stations, and switching stations. An additional \$18,960,874 were spent on rural facilities.

In addition to the power facilities proper, the Commission in co-operation with the Corps of Engineers, United States Army is carrying out remedial work

in the upper Niagara River in accordance with the terms of the Niagara Diversion Treaty of 1950. The work includes a control dam up stream at the Chippawa-Grass Island pool and both excavation and fill on the flanks of the Horseshoe Falls. The work at the crest of the falls and the landscaping of the area were completed in 1955 with the exception of a stone parapet which is to be constructed in 1956. The control dam will consist of reinforced concrete piers and thirteen sluiceways equipped with submersible gates hinged at the bottom. A 1,500-foot service deck will span the piers. The first two gates were placed in operation in June 1955, and the second two in September. Work is proceeding on five sluiceways representing the next two stages of construction.

### **SOUTHERN ONTARIO SYSTEM**

Demands for 60-cycle power increased during the past twelve months by approximately 500,000 kilowatts. This increase is partly due to standardization and partly to 60-cycle load growth. In addition to the program of standardizing power facilities at 60 cycles, plans to meet the continuing increase in demands for 60-cycle power include the installation of a 200,000-kilowatt turbo-generator unit at Richard L. Hearn Generating Station, and the addition of the four 75,000-kilowatt units for which provision was made in advance at Sir Adam Beck-Niagara Generating Station No. 2.



**ST. LAWRENCE POWER PROJECT**—By November 1955 earth removal at the Canadian end of the powerhouse site was well advanced. This picture, taken looking northeast, shows the Cornwall Canal in the upper left corner.

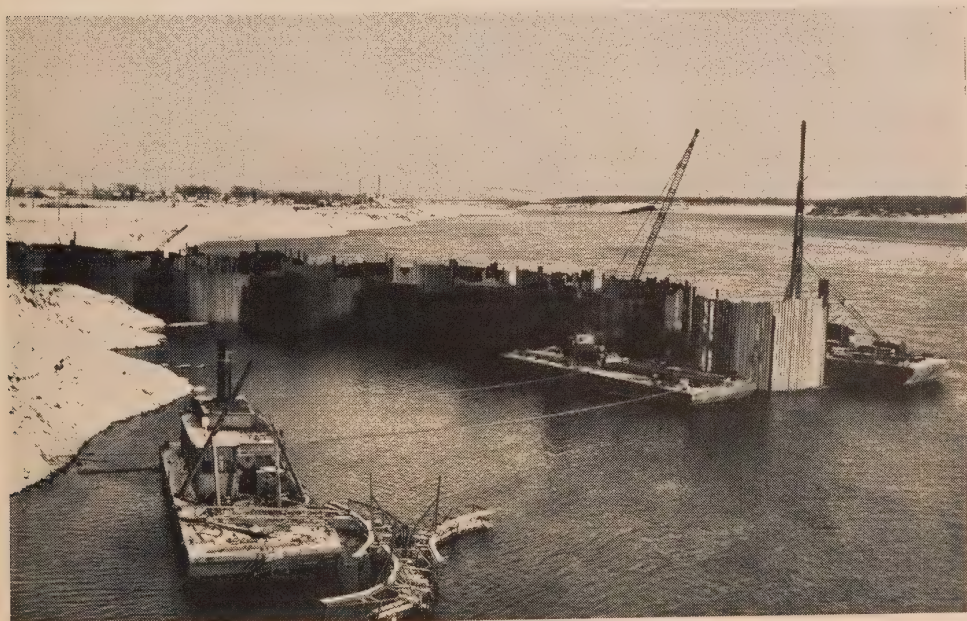
In planning the construction of new transformer stations and the major changes and extensions required in transmission facilities, the Commission has maintained close liaison with the utilities, particularly in the Toronto and Hamilton areas, in order to co-ordinate the 60-cycle supply with the standardization program. With the development of the scheme to pool 230-kv transmission at points outside the built-up area of Toronto, construction was begun at Cherrywood Switching Station in the eastern Metropolitan Area. Eventually the station will serve as a main switching point for power from the St. Lawrence Power Project and for the supply of power to 230—115-kv transformer stations in the Toronto area.

### Progress on Power Developments

A brief description of the two large projects at present under construction is given in the following paragraphs together with a summary of the work accomplished during the year. This is followed by a description of the work on transformer stations and transmission lines.

#### ROBERT H. SAUNDERS-ST. LAWRENCE GENERATING STATION— ST. LAWRENCE RIVER

- Location* —The International Rapids Section of the St. Lawrence River, about 2 miles west of Cornwall.
- Installed Capacity* —820,000 kilowatts in 16 units (Ontario Hydro's share).
- Rated Head* —81 feet.
- In-Service Schedule*—1958-1960.
- Estimated Cost* —\$300,000,000, including generation, step-up transformation, and associated high-voltage switching at St. Lawrence Transformer Station.

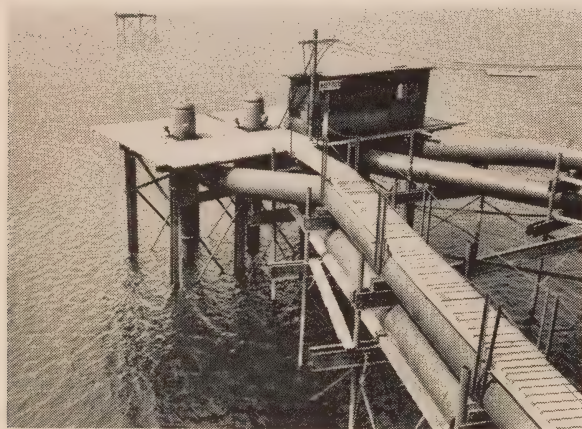


ST. LAWRENCE POWER PROJECT—Cofferdam C-1 in the early stages of construction. The completed cofferdam consists of 60 circular cells built of interlocking steel sheet piling filled with rock and earth. The top of the cofferdam is graded and surfaced to form a road.

The powerhouse, together with the adjoining powerhouse of the Power Authority of the State of New York, forms an integral part of a gravity-type dam structure spanning the north channel of the river between the eastern end of Barnhart Island and the Canadian mainland. This structure will be bisected by the International Boundary. The other main features of the project are a dam at Long Sault to control the level of the head-pond, a dam at Iroquois Point to regulate flow from Lake Ontario, and some 14 miles of dike.

The Commission is engaged jointly with the Power Authority in the construction of the combined powerhouse structure. The construction of the control and regulating dams is the responsibility of the Power Authority. The Commission, in turn, is solely responsible for rehabilitation work and dike construction on the Canadian side, and shares in the work of improving channels

in the vicinity of Chimney and Galop Islands. A number of communities, as well as transportation, power and communication facilities, are being relocated beyond the area which will be flooded by the creation of the head-pond.



**ST. LAWRENCE POWER PROJECT**—Platform near the middle of cofferdam C-1 supporting the pumping equipment for dewatering the power house area. The four pumps, with a combined capacity of 80,000 gallons per minute, dewatered a 2-mile stretch of the river in  $5\frac{1}{2}$  days.

In general, the two power entities share in the direction of construction work and share equally in the cost of the project exclusive of the cost of powerhouse machinery and equipment, for which each will be individually responsible. The project as a whole is subject to the approval of a Joint Board

of Engineers appointed by the Governments of Canada and the United States. The Board is required to approve and co-ordinate all plans and to inspect all work done in the construction of the works.

Present plans call for the closure of the Long Sault dam in early 1958 and for the operation of four units in the summer of that year. Thereafter, each of the remaining twelve units will be placed in service at approximately two-month intervals until June 1960. The installed capacity of the 16 units of the Robert H. Saunders-St. Lawrence Generating Station, the Canadian half of the power development, will be 820,000 kilowatts at a rated head of 81 feet.

Construction work in the powerhouse area began in the early summer of 1955. Here the construction agencies of both the Commission and the Power

Authority of the State of New York carried out large-scale excavation work throughout five months of 1955. The upstream and downstream cofferdams had been constructed and water had been pumped from the powerhouse area by the end of June. Between that time and the end of the year, earth excavation down to rock had been completed at the shore end in the Commission's half of the powerhouse excavation and curtain grouting was practically finished. The quarry for the supply of sand and aggregate was in full operation at the end of the year and concrete mixing and conveying facilities were being installed for the pouring of concrete at the powerhouse which was scheduled to begin early in 1956.

In order to provide convenient access to the site without interference either to or from navigation, two access tunnels were built under the Cornwall Canal. One provides for the passage of vehicles and the other for pedestrian traffic and for belt conveyors. In addition, a Bailey retractable bridge was constructed as an alternative approach. This work had been begun in late 1954 and was carried to completion during the ensuing winter. Other preparatory work, completed during 1955, included the construction of a railway siding, the building of a road to the quarry, the diversion of a part of the main Toronto-Montreal highway around the construction area, and the erection of a number of administration area buildings.

The Cornwall dike, the most extensive of the dike structures on the Canadian side, was begun in June. It will eventually cross and close the present navigation



ST. LAWRENCE POWER PROJECT—Tunnels constructed under the Cornwall Canal to permit access to the powerhouse area without interruption to shipping

canal. An alternative canal through the dike was required to provide for navigation until such time as the new deep waterway becomes available. Preparatory excavation work was carried out on this alternative or diversion canal. At the point where it will pass through the finished dike, structural provision is being made for closing the canal when it is no longer required. It will be in use, however, throughout the period of powerhouse construction and until the level of the head-pond is raised.



**ST. LAWRENCE POWER PROJECT**—One of the giant house-movers preparing to transport a large home to its new location.

Two access tunnels are being constructed to underpass the diversion canal to connect with the two access tunnels that now underpass the present canal.

The entire site of the present village of Iroquois and all or parts of several other communities will be flooded by the head-pond of the project. The re-location of these communities forms a very important part of the project and involves the most careful co-ordination of a wide variety of plans and activities. Good progress was made in 1955, with the townsites of the new Iroquois taking shape and two other townsites being laid out. Of the approximately 130 houses to be moved from the village of Iroquois, 67 were established at the new site by the end of 1955.

#### **SIR ADAM BECK-NIAGARA GENERATING STATION NO. 2—NIAGARA RIVER**

- Location* —Near Queenston, 6 miles down stream from the cataract and adjacent to Sir Adam Beck-Niagara Generating Station No. 1.
- Ultimate Installed Capacity* —1,370,000 kilowatts, 60 cycles (1,050,000 kilowatts in 14 units in the main generating station, 170,000 kilowatts in a pumped-storage scheme, and 150,000 kilowatts in two units to be added in the main generating station as required).
- Rated Head* —292 feet (main generating station).
- In Service* —Seven main generating units in 1954 and five in 1955, respectively on February 21, April 6, May 3, June 20, and August 8.
- In-Service Schedule* —Pumped storage in 1957, two units in the main generating station in 1957 and the remaining two units as required.
- Estimated Cost* —\$343,700,000, including generation, step-up transformation, and high-voltage switching at the site.
- (16 units and pumped storage)



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—View looking northwest along the intake canal towards the pumping-generating station. This picture was taken before any concrete had been placed. Rock excavation for all six draft-tubes and the erection bay was completed by the end of the year.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—The site of the pumping-generating station showing the penstock and draft-tube excavations

The work scheduled for the main generating station was virtually complete by the end of the summer with the installation of the twelfth unit. It was not until late December that the decision was made to proceed with the installation of two of the additional units for which provision had already been made in the headworks. Very shortly after the end of the year the final two units were also placed in the construction program. These units are expected to be available to meet peak loads in 1958. The control building for the dewatering station of

the hydraulic tunnels was completed during the year.



**NIAGARA RIVER REMEDIAL WORKS**—The control dam with four gates in operation. Within the coffer-dam work continues for the next five gates.

At the pumping-generating station rock excavation was largely completed by early summer, and the first concrete for the powerhouse substructure was poured in early September. By the end of the year penstock and turbine erection was about to begin and concreting for the substructure and headworks was proceeding. For the reservoir construction, over 70 per cent of the dike materials had been placed and placing of the riprap was continuing. In the switchyard the foundations were ready for the high-voltage structures required by the pumping-generating station.

The pumped-storage scheme, unique in the Commission's operations, will make possible the more effective use of the water available for power production under the Niagara Diversion Treaty of 1950. Energy that would be surplus at times of low demand can be made available through the operation of the new station at times of high demand.

### **Transformer Stations**

The incorporation of additional sources of power in the Southern Ontario System required among other changes the rearrangement of circuits at Essa, Detweiler, and A. W. Manby Transformer Stations. At Detweiler Transformer Station, in conjunction with the rearrangement, two 230-kv breakers and three 115-kv breakers were added. A 48,000-kva synchronous condenser is planned for installation there to supply reactive power requirements in the Kitchener area. A similar condenser to meet corresponding requirements in the Hamilton area was installed at Burlington Transformer Station, where the replacement of

oil-filled circuit-breakers by air-blast breakers was nearing completion. A three-phase, 115,000-kva, 230—115—13.2-kv autotransformer was placed in service at 60 cycles at A. W. Manby Transformer Station in December to bring the station total of this type of unit to five. A fourth three-phase, 40,000-kva, 230—26-kv transformer was placed in service at the same station in November. At Leaside Transformer Station plans call for the replacement of two 230—115—13.2-kv, 25-cycle transformer banks by two 230—115—13.2-kv, 60-cycle autotransformers. The banks to be replaced have capacities of 75,000 kva and 45,000 kva, and the autotransformers will have capacities of 215,000 kva. This change, together with the conversion of the west switchyard to 60-cycle operation, is the first stage in the frequency standardization of the station.

Construction was begun at Cherrywood Switching Station, the second large 230-kv switching station in the Toronto area. The first installation at Cherrywood Switching Station will consist of three 230-kv breakers to control 25-cycle circuits being rearranged in accordance with the requirements of the frequency standardization program. Eventually the station will serve as one of the main switching points for power from the St. Lawrence Power Project. At Richview Switching Station, also in the Toronto area, two 230-kv breakers were installed to accommodate an additional 60-cycle circuit to A. W. Manby Transformer Station and three are being installed to provide for circuits supplying power to the St. Lawrence area until the Robert H. Saunders-St. Lawrence Generating Station is placed in service. These latter circuits will also make 60-cycle power available to Toronto-Leaside Transformer Station during the first stage of standardization there.



SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—The pumping-generating station late in 1955. The headworks structure, the west wing-dam, and part of the dike can be seen in the foreground. Beyond is the intake canal, closed at the far end by the rock plug separating it from the main canal.

Three new 115-kv transformer stations were placed in service in the Toronto area during the year—Toronto-Basin in February, Toronto-Main in June, and Toronto-Warden in August. Work was well advanced in the construction of the 115-kv Toronto-Glengrove Transformer Station which will have an initial capacity of 40,000 kva. Additional 60-cycle capacity was provided at a number of other transformer stations both in the Toronto and in the Hamilton areas to meet load growth and the requirements of frequency standardization. For the improvement of voltage conditions the program of installing capacitors at certain 115-kv stations was continued, and two 10,000-kva banks were installed at Scarborough Transformer Station in December. Further installations are proceeding at A. W. Manby Transformer Station, Toronto-Bathurst Transformer Station, and Oshawa Transformer Station. The capacity of the recently constructed Pleasant Transformer Station was increased from 50,000 kva to 65,000 kva. The additional transformer capacity will be used to supply 44-kv power for the purpose of improving voltage conditions in the Georgian Bay Region. The program of frequency standardization involved the changing over of Galt Transformer Station to operation at 60 cycles in March.

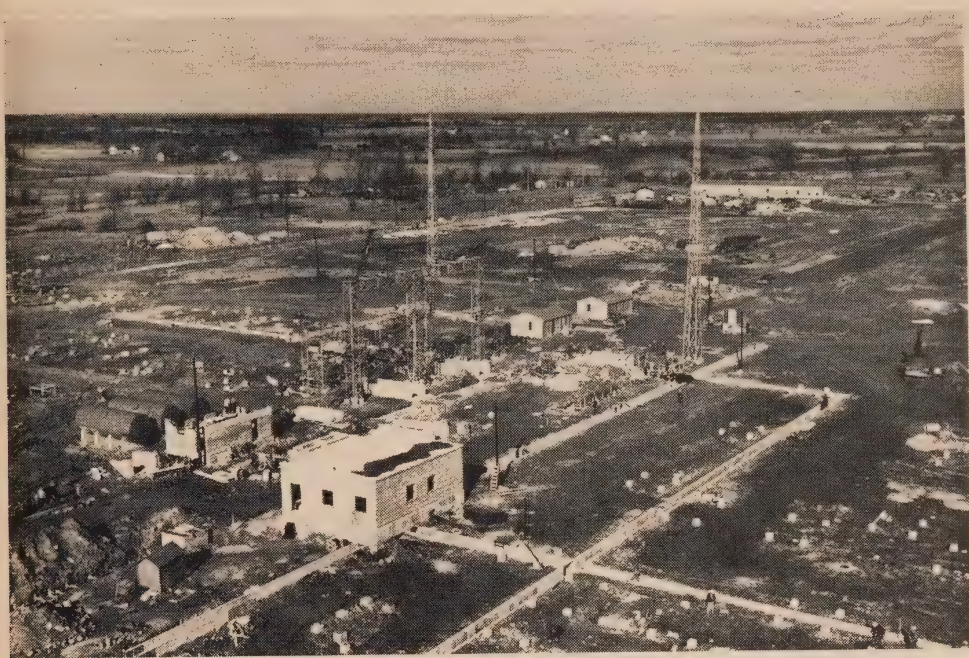
Construction of St. Lawrence Transformer Station was well advanced by the end of the year. The station, prior to the completion of Robert H. Saunders-St. Lawrence Generating Station, will supply 60-cycle power to the area formerly served by Cornwall Transformer Station. Ultimately it will carry the output of the new generating station to the system.

The 115—44-kv Oshawa-Thornton Transformer Station was placed in service with an initial capacity of 30,000 kva, and plans are proceeding for the construction of Ottawa-Slater Transformer Station with an initial capacity of 40,000 kva.

### **Transmission Lines**

The construction of the St. Lawrence Power Project has required the relocation of eight high-voltage transmission lines in the vicinity of Cornwall. Considerable progress was made in this work during 1955, the most important work completed to date being the removal in August of the 115-kv Cedars Rapids Transmission Company's lines which formerly crossed the St. Lawrence River at a point up stream from the powerhouse site. New crossings of 230-kv construction were established further down stream where two 335-foot towers were constructed on each side of the river. These towers, the highest in use by the Commission, support a total of four circuits crossing the river in approximately 3,300-foot spans. A special technique was required in the stringing operation to keep the lines continuously under tension in the air, since navigation in the canal could not be interrupted, and the current in the river is very fast. In addition, they passed over a live 115-kv line, two live 44-kv lines, and the main highway from Toronto to Montreal.

In May a double-circuit, 230-kv, steel-tower interconnection with the Niagara Mohawk Power Corporation was placed in service near Queenston. Here again there were problems in stringing occasioned by the depth of the gorge, the rapidity of the current, and the movement of ice in the river. A helicopter was used to carry a nylon cord across the river. The cord was then used to draw a strong rope and successively the steel pulling-cable into place.



**ST. LAWRENCE POWER PROJECT**—St. Lawrence Transformer Station in the fall of 1955. Foundation work is well advanced and the erection of steel structures in the 230-kv area has started. The concrete cable trench may be seen in the foreground.

A third 230-kv, double-circuit, steel-tower line from Sir Adam Beck-Niagara Generating Station No. 2 to Beaver Dams Junction was completed with one circuit strung. It was placed in service in May. Work is now in progress for the relocation of three sections of the 115-kv line between Burlington Transformer Station and Hamilton Beach Transformer Station to permit the construction of a new section of four-lane highway and the bridge associated with it. Each double-circuit tower removed is being replaced by a four-circuit tower in anticipation of later requirements.

In the Toronto area, the 115-kv transmission line of four-circuit steel-tower construction, which will eventually connect Scarborough and Toronto-Leaside Transformer Stations, was completed for a distance of about 15 miles west from Scarborough Transformer Station. The line now serves two new transformer stations—Toronto-Warden and Toronto-Main, the latter over an additional mile of underground cable of the directly-buried, oil-filled type. Work was proceeding on the installation of a further 8 circuit miles of cable in the Toronto area and of about 4 circuit miles in the city of Ottawa. Approximately another 14 circuit miles of cable will be installed when the construction of the new lake-shore expressway in Toronto requires the removal of the Commission's overhead circuits.

New roadway projects, either under construction or proposed, involved a great deal of line relocation work and planning, particularly in the area of Metropolitan Toronto. In addition to these activities, work on lines of sub-transmission voltage included the construction of 16 miles of 44-kv circuit from Pleasant Transformer Station to Caledon Distributing Station to improve supply to part of the Georgian Bay Division, and the construction of about 10 miles of 27.6-kv wood-pole line between Elora and Elmira.

## NORTHERN ONTARIO PROPERTIES

With the increased capacity of the tie-lines between the Southern Ontario System and the Northeastern Division it has been possible to meet the power



**MANITOU FALLS GENERATING STATION**—The wing-dam, completed in July 1955, at the north end of the powerhouse

and energy requirements of the eastern half of northern Ontario without adding materially to generating facilities in the division. Two small diesel installations were made at Hornepayne and Chapleau to meet local requirements for power. Before the end of 1955, however, it had become apparent that requirements in the Northwestern Division were likely to exceed the capacity of the resources available, and that further facilities, in addition to those already under construction, would be required to meet continuing increases. The decision was made, therefore, to proceed at once with the development of White-dog Falls, located on the Winnipeg River not far up stream from its confluence with the English River. Meanwhile plans for Manitou Falls Generating Station were expanded to include a fourth unit and work

was carried on at an accelerated pace with the expectation that the first unit would be in service there about the beginning of April 1956.

### Progress on Power Developments

#### MANITOU FALLS GENERATING STATION—ENGLISH RIVER

*Location* —20 miles down stream from Ear Falls.

*Dependable Peak Capacity* —54,400 kilowatts in four units, 60 cycles.

*Rated Head* —54 feet.

*In-Service Schedule*—1956.

*Estimated Cost* —\$17,000,000, including generation, step-up transformation, and high-voltage switching at the site.

The main dam will include concrete gravity sections, headworks for five units, two motor-operated sluices, and nine stoplog sluices. The other main features are an auxiliary dam and the powerhouse.

The major part of the construction work, including the powerhouse super-structure, was approaching completion by the end of the year. The 100-ton powerhouse crane, the headworks gantry, the headgates and hoists, and the motor sluiceways and hoists were in service. Embedded parts for all four units were in place. Two turbines were erected and installation of generators for these units was under way.

The closure program was 60 per cent complete, and the upstream cofferdam had been removed. Two of the four diversion sluice rollways were concreted.

#### WHITEDOG FALLS GENERATING STATION—WINNIPEG RIVER

*Location* —30 miles northwest of Kenora and 12 miles due east of the Manitoba boundary.

*Dependable Peak* —54,000 kilowatts in three units, 60 cycles.

*Capacity*

*Rated Head* —50 feet.

*In-Service Schedule*—1957-1958.

*Estimated Cost* —\$19,200,000, including generation, step-up transformation, and high-voltage switching at the site.

The main dam, approximately 1,150 feet in length, will be located in the south channel of the Winnipeg River at Whitedog Island. It will incorporate a powerhouse and headworks adjoining the south bank of the river, and a sluiceway section to the north separated from the powerhouse by a short bulkhead section. The ends of the structure will be tied into the banks of the river by a concrete gravity section adjacent to the erection bay at the south shore, and at the north shore by an earth-fill section adjacent to the log-chute head-block.

The sluiceway structure will include nine sluiceways, two being motor operated. These two gates will be incorporated in the diversion channel. The station will be remotely controlled from the transformer station to be built at Kenora.

In addition, two block dams will be built, one a rock-fill dam across the head of the north channel around Whitedog Island, and the other a shallow earth-fill dam closing off an area of low land in the middle of the island.

Access to the development will be provided by a road being built by the Commission from a point on the Canadian National Railway just west of Minaki, some 16 miles from the site. Work was begun on this road in September, and by the end of the year clearing for the right of way was completed, and fill for about 5 miles had been laid.

Only survey and exploratory work was carried out at the site of the new generating station in 1955, but cofferdam construction and rock excavation are scheduled to begin in mid-January 1956.

#### Transformer Stations and Transmission Lines

Reference is made in Section I to the new transformer stations placed in service at Blind River and Port Arthur and to the rearrangements made in interconnecting facilities between the Northeastern Division and the Southern Ontario

System. A 115,000-kva, 230—115—13.2-kv autotransformer was installed at R.H. Martindale Transformer Station in November. Two 5,000-kva frequency-changers were also placed in service at R. H. Martindale Transformer Station, one in June and the other in August. The station assumes an increased importance as a focal point in the interchange of energy between the Northeastern Division and the Southern Ontario System.

The reinsulation for operation at 230 kv of the 100-mile tie-line from Otto Holden Generating Station to Crystal Falls Generating Station and R. H. Martindale Transformer Station was accomplished with live-line tools during a six-week period. This line was of 115-kv construction. No change was made in the conductor and only minor changes were made in the supporting structures, which were steel towers for about half the line and wood poles for the remainder. The conductor is therefore smaller, and the insulation level, being limited by the supporting structures, is lower than would be normally used on a line built for 230-kv operation. Since this is the first time the Commission has operated a wood-pole line of any appreciable length at 230 kv, the performance of this line will be watched with interest.

In order to supply more power to the Kirkland Lake area, the Commission constructed about 40 miles of 115-kv wood-pole transmission line from a point not far from Upper Notch Generating Station to connect with a line of the Northern Quebec Power Company just north of Lake Timiskaming. This line in turn was interconnected with Commission-owned lines from the Quebec border to Kirkland Lake.

A 115-kv wood-pole transmission line 75 miles in length was built east from Terrace Bay to near Marathon and from there in a northeasterly direction to supply mining customers in the Manitouwadge area. Another line of 115-kv wood-pole construction was built from the new Blind River Transformer Station, a distance of 23 miles. This line was operated initially at 44 kv for the supply of uranium mining properties and the new townsite at Elliot Lake. The line voltage will be increased to 115 kv to supply proposed transformer stations in the area when loads have increased sufficiently.

### MISCELLANEOUS

In collaboration with a group representing other Canadian utilities and engineering firms, members of the Commission's staff restudied the valuations of basic structural loadings governing the design of transmission towers. As a result, the Commission adopted a new basis for tower design, which will effect a significant reduction in the cost of transmission lines.

Work was proceeding satisfactorily in the construction of regional offices in North Bay and Ottawa; the new regional office in Hamilton is expected to be ready for occupancy in February 1956.

Extensive aerial survey mapping was undertaken in connection with current construction and planning for the future. Over 900 square miles of northern Ontario were mapped for the purpose of investigating power development sites. Aerial mapping of 63,000 acres of the St. Lawrence Power Project area facilitated contour studies of the land to be flooded and studies for the rehabilitation of townsite services.

## SECTION VI

### RESEARCH AND TESTING ACTIVITIES

**T**HE importance of the Commission's extensive research and testing activities is apparent in innumerable ways affecting every phase of system engineering, operation, and maintenance. During 1955, advances were achieved in broad programs of work begun in preceding years and several projects were brought to a successful conclusion. Some of these achievements are discussed in the following paragraphs under appropriate general headings, and reference is made to new projects undertaken as occasion demanded.

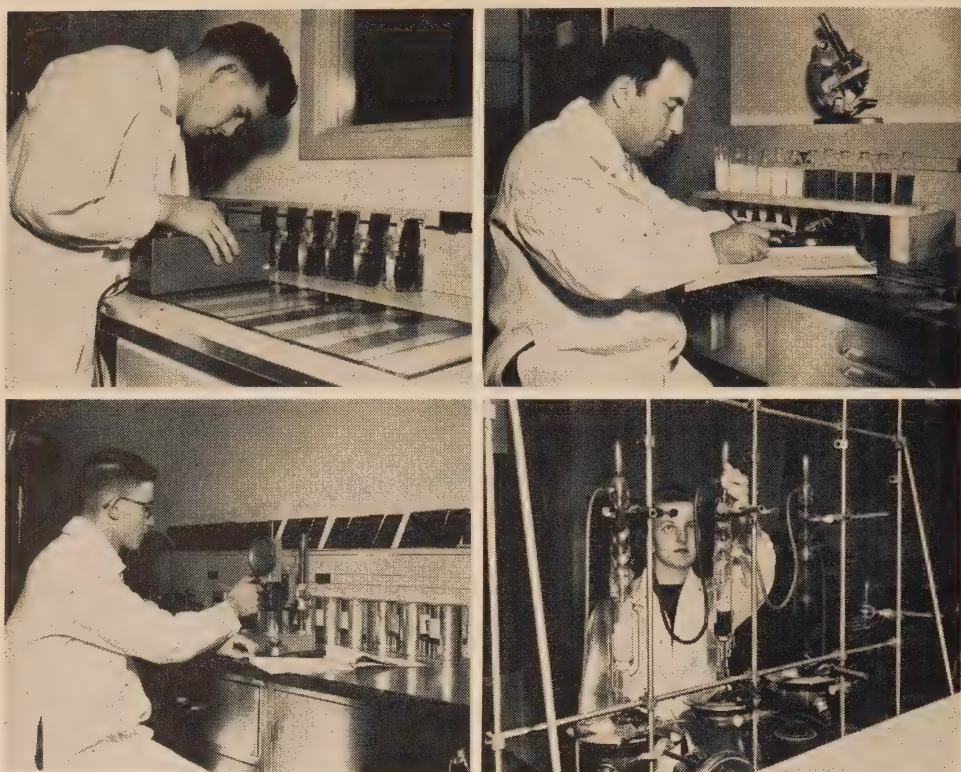
#### ROBERT H. SAUNDERS-ST. LAWRENCE GENERATING STATION

##### Concreting Studies

All possible sources of concrete aggregate known to exist within a practical distance from the Project were investigated, whether in Canada or the United States. Evaluation studies of samples obtained, based on physical, petrographic, and freeze-thaw tests, were completed and the more promising aggregates were appraised for quality and economy.

The decision to use manufactured sand for the first time on a major Commission project was the occasion for much laboratory testing. Extensive data were accumulated experimentally for use in mix design and concrete control. The work served mainly to establish the relations between the cement content, the water to cement ratio, and strength.

In view of the decision to specify air-entrained concrete for all exterior surfaces at the Project, the suitability of various agents for entraining air was studied; investigation was made of the effect on the air content of concrete of such factors as changes in sand fines, slump, and percentage of admixture.



#### MATERIALS TESTING

Upper left: Checking gloss of paint for conformance with specifications

Upper right: Measuring emulsion stability of chemicals used to control weeds and brush

Lower left: Testing consistency of protective coatings with cone penetrometer

Lower right: Extraction of bituminous material to evaluate roofing plastics

Data accumulated during the extensive concreting studies provided a basis for designing mixes that would meet most economically the structural and durability requirements for the Project.

#### Electrical Investigations

Since the powerhouse structure at the Robert H. Saunders-St. Lawrence Generating Station will be of the modified outdoor type, it will be necessary on occasion to remove snow to ensure ready access to the deck for emergency repairs. Among snow-removal methods investigated, mechanical and chemical methods were rejected in favour of buried electric heating cables. A cable arrangement was devised, and an analysis of its operation by means of a full-scale model of a portion of the deck demonstrated that the heating arrangement would be satisfactory.

Following studies of quantities of heat available from cooling-water and normally wasted at generator and transformer stations, it was recommended that an installation operating on the heat-pump principle be used in heating and air-conditioning the administration and control building at the powerhouse. A design was developed and the installation when completed will be one of the world's largest known heat pumps.

Relevant data for the design of a safe grounding system at the Project were obtained by means of a field survey. The data served as a basis for designing the station ground electrode, and for planning proper lightning protection at the termination of the 230-kv cables. The ground electrode developed for the station will consist of an extensive metal mesh immersed in the forebay.

#### SIR ADAM BECK-NIAGARA GENERATING STATION No. 2

The bridge deck of the Niagara River remedial works control structure is supported on prestressed concrete beams. During the construction of these beams stresses in the steel were measured by resistance-wire strain gauges, and stresses in the concrete were measured by magnetostriction-type stress meters.

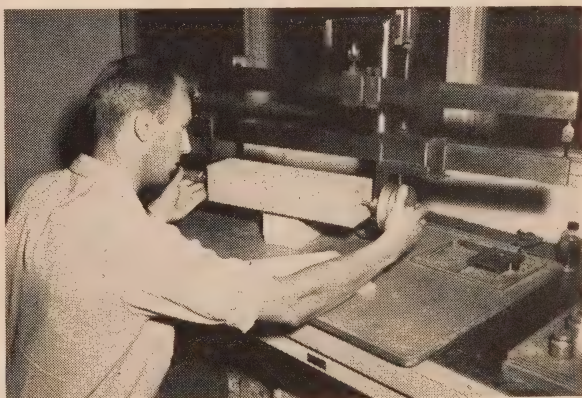
Analysis was made of the bearing pressures to which concrete foundations at the pumping-generating station will be subjected when the steel deck-rails of a crane carry heavy wheel loads. The study showed that the rails may be placed directly on the concrete without the use of base plates, thus making possible a considerable saving in steel.

A new type of precision water-level measuring device was designed and installed at the Maid-of-the-Mist Pool in the Niagara River down stream from the falls. The device is used to ensure that the volume of water flowing over the falls will meet the minimum requirements established by the Niagara Diversion Treaty.

#### GENERAL INVESTIGATIONS TO AID CONSTRUCTION

Several aspects of cold-weather construction practices were studied and particular consideration was given to reducing the cost of unit masonry construction during the winter months. Techniques for the protection of concrete from freezing were also studied, with special regard to determining the correct temperature and the length of time for which it must be maintained if strength development is to be ensured.

Testing by accelerated freezing and thawing cycles has contributed significantly to the evaluation of aggregates for the St. Lawrence Power Project, but conclusions have been based for the most part only on comparisons. With a view to standardizing test techniques, correlating the interpretation of data obtained, and ultimately establishing acceptable standards of evaluation, a joint series of tests was begun in co-operation with laboratories in the United States. Samples of aggregates of known performance were submitted to the participating laboratories for inclusion in a



Caliper-type length comparator measuring longitudinal change in concrete specimen subjected to accelerated test of freezing and thawing cycles

performance were submitted to the participating laboratories for inclusion in a

concrete mix of stated proportions and for subsequent exposure to freeze-thaw cycles using the various techniques.

In areas of the Pre-Cambrian Shield in northern Ontario, most trees have a comparatively shallow root system. A comprehensive study was undertaken at two locations in northern Ontario to assess the effects of raised water-levels on trees bordering newly flooded areas. The study established that trees in these locations will survive to the high-water level, and there is no necessity, therefore, to follow the customary procedure of clearing trees from areas up to a level three feet above this mark. The revised practice will result in a considerable saving in the cost of surveying and tree clearing.

#### RESEARCH FOR DESIGN PURPOSES

Studies were made to provide data for use in purchase specifications for several items of electrical equipment. The rates of rise of recovery voltage on the system were determined through a comprehensive transient-analyser study, and information obtained was used to assess the performance of major circuit-breakers of a new design. Field tests were performed to investigate methods for improving the performance of circuit-breakers associated with static capacitors. Performance criteria for rapid-response excitation systems for generators and large synchronous machines were established by means of extensive field testing.

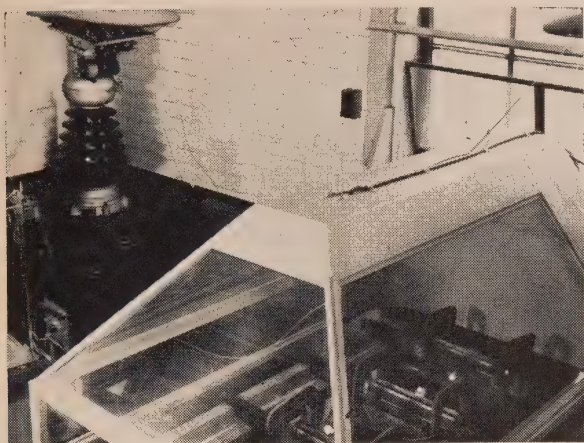
In view of the increasing difficulty in obtaining Douglas fir cross-arms of the high quality specified for Commission requirements, the basic design stresses for these cross-arms were determined to assess the ability of the readily available grades to withstand the high stresses encountered with modern transmission and distribution lines. In addition, the strengths necessary to sustain several types of special service loadings were investigated. Single and double cross-arms were evaluated for use in transmission and distribution circuits under conditions of both horizontal dead-end, and vertical loading.

With the present trend towards single-storey construction, recommendations were made concerning masts mounted on low buildings to support service-entrance conductors at the necessary clearance above ground-level.

#### STUDIES FOR IMPROVED OPERATIONS

##### **System Stability**

Problems of stability, and of load and frequency control, tend to become increasingly complex with the enlargement of the systems. In particular, further interconnections with neighbouring systems can be expected to create complications. A number of large-scale field tests were made at several locations to determine loading limits for stability, to study the improvements obtainable with various available control devices, and to achieve optimum adjustment of turbine governors, voltage regulators, and other control equipment.



Insulation on a generator-coil specimen undergoing sustained overvoltage test. This work assists in developing and improving methods of non-destructive testing of electrical insulation in service.

Equipment and techniques were developed for the detection and assessment of ionization in the electrical insulation of rotating machines. This serves to indicate the condition of the insulation, which determines the service life of most electrical equipment.

#### Cable Studies

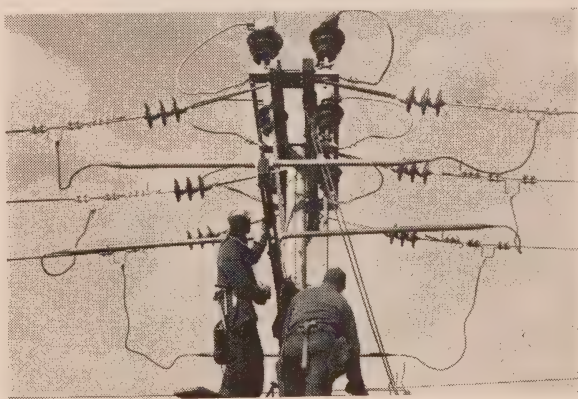
The temperatures of four operating 115-kv cables under varying load conditions were determined by means of field tests. Data from the tests were used to determine the short-time

loads that can be permitted without causing hazardous cable temperatures.

Significant progress was made in methods for locating faults. A method using radar principles, that had previously proved successful with short lengths of cable, was adapted for relatively long cables.

A mobile testing service for cables was inaugurated; the service is provided by the use of a truck equipped with the most modern known aids for locating faults of any type in power cables. An independent power supply is included to permit the equipment to be used when electric power is otherwise unavailable. Testing of cables having a rating as high as 27.6 kv is possible.

Several other studies also pertained to cables. A new technique for moulding void-free joints in underground cables was tested extensively. Experiments were completed to determine whether salts leached from cement-asbestos duct by ground water are corrosive to lead cable-sheaths. Regular testing during a nine-month period indicated that the rate of corrosion from this source is almost negligible. Low-friction materials were evaluated for use in power-cable supports at the St. Lawrence Power Project.



Work on an air-break switch on a distribution circuit without interruption to the flow of power is facilitated by use of improved by-pass tools.

### **Lightning Protection**

Extensive field and laboratory tests were undertaken to devise some means of reducing fuse blowing caused by lightning surges at transformer installations at transformer and distributing stations. The results of these and other tests enabled criteria to be established for specifications and for acceptance tests for fuse cutouts, fuse links, and lightning arresters. New equipment was developed that permitted a routine check of the performance of installed lightning arresters.

## **RESEARCH TO FACILITATE MAINTENANCE**

### **Vegetation Control**

A number of projects in the continuing investigation of methods of controlling unwanted vegetation on Commission properties yielded important results. Effective chemical-spray treatments for controlling conifers on northern rights of way were developed; a non-poisonous replacement for arsenic trioxide as a soil sterilant for gravelled areas was proved by long-term field tests; and a chemical for eradicating poison ivy with one treatment was tested and found to

be effective. Promising results were obtained in preliminary trials of chemical-spray methods for retarding the growth of trees along distribution lines, and hence reducing tree-trimming requirements.



Treatment of pine test-stakes with experimental wood preservative

### **Wood Preservation**

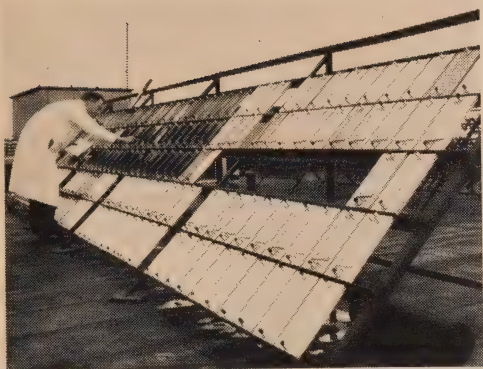
Following extensive laboratory investigations and full-scale experimental treatments for the preservation of wood poles, the use of creosote is being discontinued in favour of a treatment with solutions of pentachlorophenol in petroleum. The treatment developed provides a clean pole having a long service life without the objectionable handling of creosoted surfaces.

### **Protective Coatings**

Many investigations pertaining to paints and protective-coating systems were completed. A program of laboratory and field testing was undertaken to evaluate materials proposed for the protection of metal in service under water.

### **Petroleum Products**

A routine schedule of tests was developed to assist in the maintenance of askarel-filled transformers. Determination of mineral-oil contamination was made possible by an infra-red technique; this test is important to ensure that combustible material does not exceed the limit imposed by the fire underwriters.



**Outdoor exposure tests of  
protective coatings**

The method is sensitive at concentrations of one per cent and requires less than five minutes for a single determination. The operation of several items of equipment for removing gas from transformer oils was studied and tests were made of their efficiency. Data were accumulated to assist in the development of techniques for filling transformers under vacuum.

Various studies were made of such petroleum products as hydraulic oils and lubricating greases. One led to the successful solution of a special

high-temperature lubrication problem, the need for a grease for lubricating parts of a copper-reclamation furnace operating at 1,000 degrees Fahrenheit.

### NEW TECHNIQUES

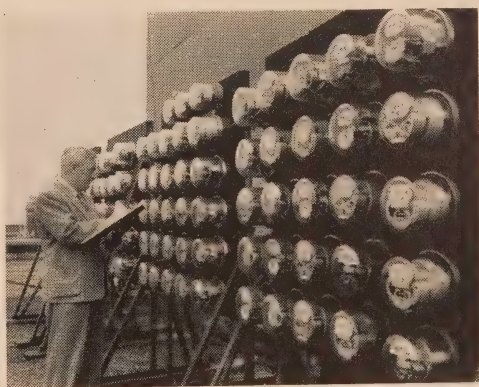
An unusual method of obtaining a low-resistance ground connection was employed at Manitou Falls Generating Station where it was found that a low-resistance ground might be obtained economically by bonding structural and reinforcing steel in the dam and powerhouse to form a large ground electrode.

A temperature-simulating device, developed earlier for use with transformers, was adapted for use with large rotating machines. The same instruments used to indicate the temperatures of stationary parts may now be used to record the temperature of the field winding. Tests made under service conditions showed that the device will provide reliable guidance for the safe loading of major machines.

### MATERIAL AND EQUIPMENT EVALUATION

#### Electric Metering

Long-term accuracy tests were conducted to determine the best ratings and types of single-phase watt-hour meters, and to establish optimum service periods. In extensive comparative tests of polyphase watt-hour meters, a particular type proved to be pre-eminent in accuracy, and it is being recommended for use in locations where comparatively large amounts of energy are measured.



**Taking set of periodic readings of watt-hour  
meters during long-term performance tests**

Various magnetic materials proposed for use in instrument current transformers were tested. The results showed that economies could be realized if bushing-type transformers having mu-metal cores were installed.

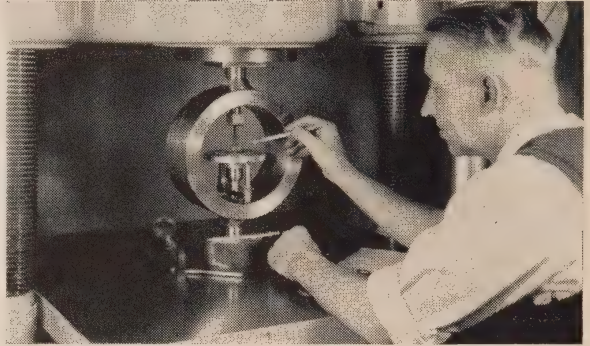
### **Structural Materials**

During the construction of large hydraulic developments, water-stops are placed in the concrete in the joints between sections and between the successive lifts of each section to provide a seal against leakage. In the past, metals have been used for this purpose.

A detailed study of alternative materials and designs was completed and showed that flexible polyvinyl chloride was a more suitable material. It also established desirable design requirements that will ensure adequate bonding and anchorage, maintain sufficient rigidity during placing of the concrete, and permit limited joint movement. For vertical or near-vertical construction joints where little

movement is expected, a labyrinth-type water-stop was considered most suitable. Performance tests and field observations contributed to the preparation of a specification for the plastic water-stop required for the pumped-storage reservoir at Sir Adam Beck-Niagara Generating Station No. 2 and for the St. Lawrence Power Project.

The decision to use high-strength steel bolts instead of rivets in constructing the powerhouse at Manitou Falls Generating Station prompted several investigations. Following accepted structural practices using this relatively new type of fastener, a method was established for ensuring correct minimum bolt tension. In addition, various makes of pneumatic impact wrenches were compared and evaluated.



Proving ring being used to calibrate structural testing machine

## SECTION VII

### PERSONNEL ADMINISTRATION

**T**HE broadening scope of the Commission's personnel activities was reflected during 1955 in the creation of an Organization Services Division and in the introduction within the Personnel Branch of certain administrative changes.

The Organization Services Division will carry out work formerly undertaken by a firm of management consultants and, to some extent, by other divisions of the Commission. It will advise management at all levels in the development and maintenance of sound organization, of efficient administrative methods, and of effective controls.

In the revised organization of the Personnel Branch continued recognition is given to the importance of collective bargaining, but increased emphasis is placed on other fundamental relationships between employer and employee. These relationships reflect their common interest that physical and mental well-being shall be maintained, that skills shall be fully used to their mutual advantage, and that operations shall be carried out with a minimum of time-loss and labour-loss due to accident.

#### **Collective Relations**

The two-year agreement with the Employees' Association effective April 1, 1954 was in effect throughout the year. New agreements were, however, negotiated with the Allied Construction Council (A.F. of L.) and with two locals of the International Union of Operating Engineers. One agreement with the Allied Construction Council involves the 17 member unions engaged on the St. Lawrence Power Project and the contractors' Labour Relations Association. The other, negotiated by the Commission and the Council, governs wages and working conditions at special projects, which in 1955 were Sir Adam Beck-Niagara Generating Station No. 2, Manitou Falls Generating Station, and Whitedog Falls Generating Station. The Commission also gave approval to a new agreement negotiated between the International Brotherhood of Electrical Workers and the Commission's main contractor in frequency standardization

operations. It establishes the wages and the working conditions under which the contractor's employees will operate until frequency standardization is completed.

All negotiations, related both to these agreements and to the resolution of difficulties during the year, were marked by a spirit of mutual understanding and a genuine desire to reach just and reasonable conclusions. One of the important factors contributing to this favourable situation was the monthly examination of experience under the various collective agreements. Officers of the unions, and representatives both of the Commission and of other members of the Labour Relations Association-St. Lawrence Power Project participated in meetings arranged for this purpose, with beneficial results not only in correcting past misunderstandings but also in anticipating future difficulties.

#### **Manpower Planning and Development**

The program of manpower appraisal has been extended, and, in combination with the development program, has made a significant contribution to meeting the Commission's needs. In order to allow time for training it is necessary in some instances to estimate requirements for staff appointments as much as two

years in advance. In addition to allowing for normal staff turnover, such estimates must give consideration to the increasing size and complexity of the Commission's operations and to the wide fluctuations in manpower requirements as specific large projects are initiated or brought to completion. The increased use of automatic equipment is a further complicating consideration.

It is gratifying to report that the Commission's needs for trained staff were adequately met during the year



The two-room school-house at Manitou Falls for children of the construction staff. Instruction is being given to about 50 pupils in grades one to ten.

except in a few occupations where there is a shortage of workers throughout the Province. Furthermore, the manpower development program is continually adding to the reserve of employees who are qualified to move into positions of greater responsibility.

During 1955 there was a noticeable broadening not only of interest in this program but also of the scope of its activities. Whereas the development program was at first largely confined to trades training, growing interest was evident within clerical and supervisory groups in 1955. Those engaged in some form of supervisory development numbered nearly 400 during the year. The interest of supervisors is further reflected in their use of Training Centre facilities for the instruction of over 700 persons under their direction. A variety of technical and trade training programs, both at the Training Centre and on the

job, involved a total of 1,791 members of the staff. In particular, a major step was taken in the introduction of a comprehensive training program for maintenance electricians. A four-year course for the present staff and an apprenticeship training for new employees are designed to deal with the increasing complexity of electrical equipment and maintenance methods.

The two-year training course for junior engineers was continued, and 46 junior engineers began their training under the program in 1955. Like their predecessors, they will follow a job-rotation scheme which will provide them with a broad understanding of the Commission's operations as a whole and prepare them eventually to take advantage of opportunities as they may become available. A total of 52 former trainees were satisfactorily placed during the year.

#### **Medical Service**

During 1955 the final steps were taken in carrying out plans to provide completely adequate space and facilities for medical administration and service at Head Office. The medical requirements of employees at remote new developments and operating colonies have been met successfully, although the present shortage of doctors and nurses has presented difficulties in meeting staff requirements. The hospital at Sir Adam Beck-Niagara Generating Station No. 2 was closed early in the year but the first-aid clinic and the services of a doctor for the project were maintained. The hospital at Robert H. Saunders-St. Lawrence Generating Station was opened in November. Although the demand on its services was less than anticipated, the hospital has been of unquestioned value



The hospital at the St. Lawrence Power Project

not only in ministering to the needs of employees but also in minimizing time-loss through accident or illness. The hospital services provided at Manitou Falls Generating Station during the period of construction will be transferred early in 1956 to the new development at Whitedog Falls.

A total of 382 periodic physical examinations were made by one of the Commission's doctors as part of a long-term program. The experience gained in this program over the past five years has established that there are definite benefits to be derived from such periodic examinations. The services of a staff psychologist were added during the year for the purpose of dealing with employees whose efficiency was affected by emotional problems.

The medical staff gave consideration to the hazards of radiation that may result from the use of nuclear energy in generating electricity.

#### **Accident Prevention**

The ratio of accidents to man-hours worked again showed commendable improvement over the corresponding ratio for the preceding year, frequency of accidents being down by 16.5 per cent and severity by 5.0 per cent. The record was marred, however, by six fatal accidents, five of them due to electrical causes.

Although the Schaefer method of resuscitation is still the method recommended for use in cases of electric shock, training in the Holger-Neilsen method was continued. Study of the alternative technique has stimulated employee interest in training.

The National Safety Council President's medal was awarded to the members of a line construction crew working in the Toronto Region under the direction of M. R. Rowat. Certificates of Assistance were awarded to M. Berard and E. Flynn. Their combined efforts were successful in resuscitating a man overcome by fumes at the bottom of a well.

#### **Employment Statistics**

For the first time in over twenty years the Commission's staff designated as regular declined in numbers during the year, from 13,655 in 1954 to 13,508 at the end of 1955. Employees designated as temporary are engaged for the most part as construction workers. Their numbers also declined, from 3,687 in 1954 to 3,576 in 1955, so that the total staff, regular and temporary, at the end of 1955 numbered 17,084 as compared with 17,342 in 1954.

## SECTION VIII

### MUNICIPAL ELECTRICAL SERVICE

**R**ETAIL electrical service was provided in 1955 by 343 municipal electrical utilities owning their own distribution systems, and by 30 local systems owned and operated by the Commission.

#### **Customers, Revenue, and Consumption**

The table of revenue and consumption in municipal electrical utilities and local systems on page 94 shows the trend over the past fifteen years in number of customers served, in energy consumption both total and average per customer, and in revenues both total and average per kilowatt-hour.

A total of 1,120,979 customers were served in 1955 through the facilities of the utilities and local systems. There were increases over 1954 for all classes of service in number of customers, in revenue, and in consumption. The increases in total consumption were 10.0 per cent for domestic service, 9.8 per cent for commercial service, and 13.4 per cent for power service. The last is a particularly sharp increase that has been surpassed only in 1947 and 1950 in the past fifteen years. In neither of those years was the increase in total consumption by power service customers accompanied by an increase in average consumption per customer as large as the 10.5 per cent increase in 1955.

### MUNICIPAL ELECTRICAL UTILITIES

Included in this section of the Report are the statements of operations and the balance sheets showing the financial status of the municipal electrical utilities at December 31, 1955.

This information is prepared from books of account kept by the utilities in accordance with an accounting system designed by the Commission and accepted as a standard for utilities in all municipalities that have contracted

with the Commission for a supply of power. The books of account are periodically inspected, and from time to time improvements in office routine are recommended with a view to standardizing methods used. In many of the smaller municipalities much of the accounting for the utilities is undertaken by the municipal accountants of the Commission. Such supervision ensures the correct application of the standard accounting system and the uniform classification of revenues and expenditures, but does not constitute an audit of the accounts.

### Municipal Electrical Utilities and Local Systems

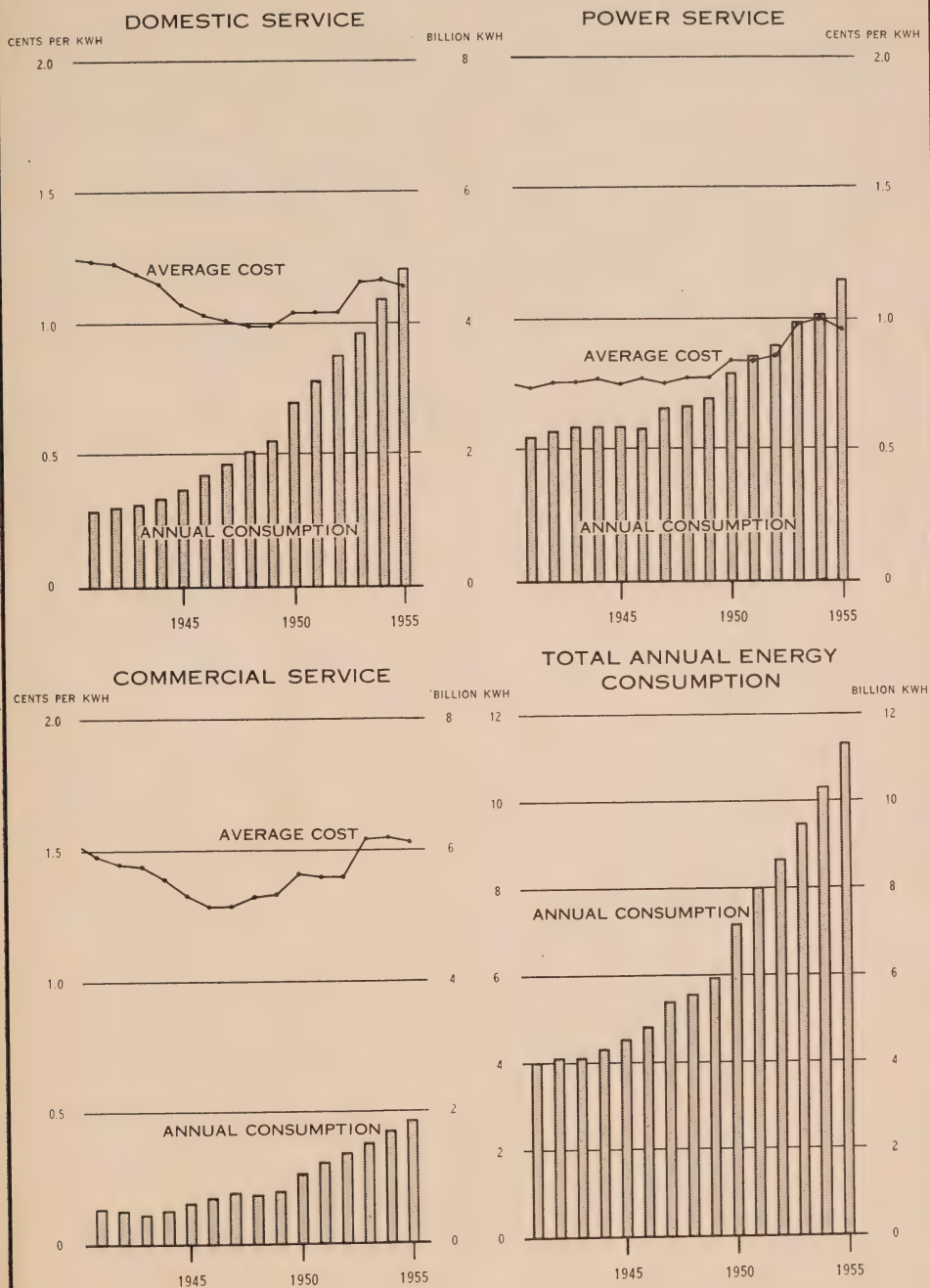
#### CUSTOMERS, REVENUE, AND CONSUMPTION

1941 to 1955

Service	Year	Revenue	Consumption	Customers	Monthly consumption per customer	Average cost per kwh
		\$	kwh	No.	kwh	¢
Domestic.....	1941	14,452,796	1,169,273,964	546,613	178	1.24
	1942	15,022,931	1,224,195,712	559,605	182	1.23
	1943	15,069,547	1,266,930,625	570,470	185	1.19
	1944	15,528,445	1,348,099,019	579,890	194	1.15
	1945	16,053,818	1,494,258,124	608,905	205	1.07
	1946	17,526,854	1,704,125,246	628,118	226	1.03
	1947	18,937,674	1,870,974,898	648,282	240	1.01
	1948	20,295,932	2,032,922,876	671,914	252	1.00
	1949	21,947,915	2,224,473,480	706,294	262	0.99
	1950	29,064,176	2,805,149,825	767,286	304	1.04
	1951	32,905,664	3,165,537,195	800,033	330	1.04
	1952	36,811,115	3,526,507,079	836,802	351	1.04
	1953	44,647,668	3,863,977,405	877,323	367	1.16
	1954	50,833,346	4,395,521,145	930,674	394	1.16
	1955	55,241,247	4,836,433,016	970,829	415	1.14
Commercial.....	1941	7,991,091	540,995,581	79,824	565	1.48
	1942	7,695,928	531,680,336	77,326	573	1.45
	1943	6,787,241	472,129,977	76,194	516	1.44
	1944	7,298,848	524,905,356	78,256	559	1.39
	1945	8,429,573	634,878,480	84,413	627	1.33
	1946	9,364,009	725,475,237	89,109	679	1.29
	1947	10,277,574	797,642,711	91,926	723	1.29
	1948	10,182,051	769,650,340	95,239	673	1.32
	1949	10,890,639	819,475,244	98,682	692	1.33
	1950	15,231,494	1,080,316,296	107,817	832	1.41
	1951	17,549,402	1,254,339,597	111,154	940	1.40
	1952	19,502,920	1,394,152,087	115,304	1,008	1.40
	1953	23,603,194	1,532,991,241	119,498	1,069	1.54
	1954	26,293,250	1,701,167,341	123,884	1,144	1.55
	1955	28,576,115	1,866,799,984	127,913	1,216	1.53
Power.....	1941	16,470,516	2,208,708,737	13,685	13,450	0.75
	1942	17,501,866	2,293,797,547	13,721	13,931	0.76
	1943	17,757,984	2,334,067,598	13,837	14,057	0.76
	1944	18,375,443	2,374,869,860	13,860	14,279	0.77
	1945	17,770,481	2,346,870,889	14,726	13,281	0.76
	1946	17,981,265	2,329,774,691	15,529	12,502	0.77
	1947	19,989,875	2,652,001,321	16,325	13,538	0.75
	1948	20,742,344	2,687,513,708	16,886	13,263	0.77
	1949	21,814,062	2,806,244,668	17,594	13,292	0.78
	1950	26,966,954	3,193,783,939	18,788	14,166	0.84
	1951	29,353,071	3,459,742,798	19,370	14,884	0.85
	1952	31,403,227	3,619,518,306	20,055	15,040	0.87
	1953	38,482,884	3,948,124,809	20,885	15,753	0.98
	1954	40,855,075	4,089,513,923	21,671	15,726	1.00
	1955	44,270,882	4,637,527,118	22,237	17,379	0.96

## MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

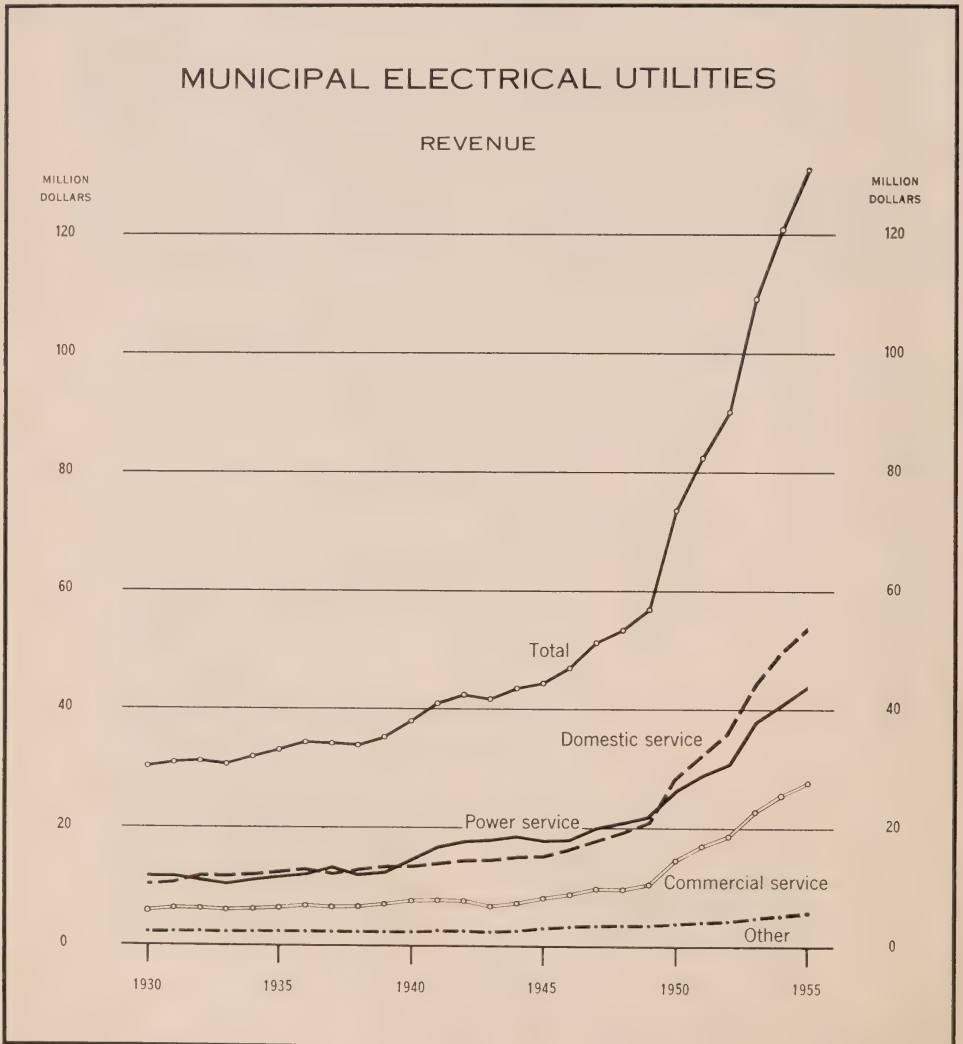
## ANNUAL ENERGY CONSUMPTION AND AVERAGE COST PER KILOWATT-HOUR



The utilities maintain their own accounts with their respective municipalities for such services as street lighting, waterworks, and public transportation. Rates have been established at levels calculated to provide revenue sufficient to cover these services. Under the terms of The Power Commission Act, annual adjustments have been made in these accounts in accordance with the cost of providing service.

**Financial Operations**

Total revenue of the municipal electrical utilities rose by 8.6 per cent from \$120,856,115 in 1954 to \$131,267,497 in 1955. Of this total, \$53,827,616 was from domestic service, \$27,762,820 from commercial service, and \$43,902,531 from power service customers, and the individual municipal items contributing to these totals are shown in Statement "D". The remaining \$5,774,530 was from street lighting and miscellaneous revenue. Total expense was up by 6.5 per cent from \$106,774,983 to \$113,767,410, leaving a net surplus in 1955 of \$17,500,087. This was equivalent to 13.3 per cent of revenue as compared with 11.7 per cent in 1954.



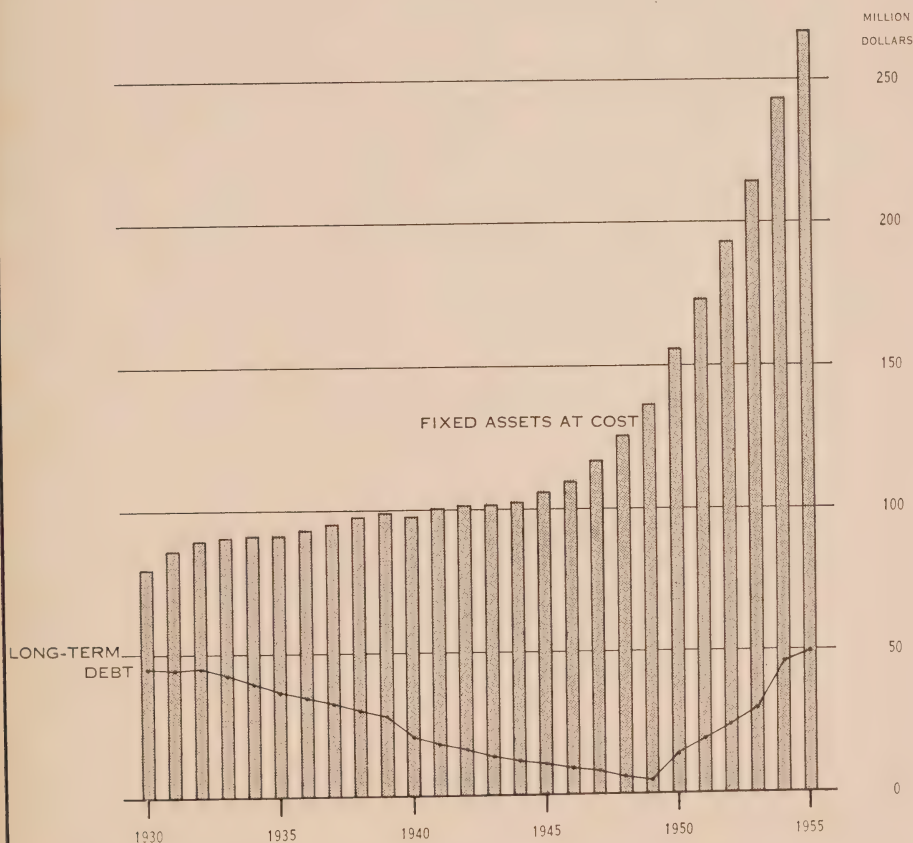
Among the expenses of the municipal utilities, the cost of power purchased from the Commission is the largest item, representing about 70 cents in every dollar spent. The utilities purchased 10.2 per cent more energy from the Commission in 1955 than in 1954 but the increase in total cost of these purchases was only 5.5 per cent over 1954. Operating and maintenance expense was up by 4.8 per cent, and administration expense by 6.4 per cent. Interest and principal payments were up 30.0 per cent and depreciation provisions were up 9.9 per cent over 1954, reflecting the continuing improvement and expansion of distribution systems to meet increasing demands.

#### Summary of Financial Position

The investment of the utilities in fixed assets at cost at December 31, 1955 amounted to \$267,090,752, against which accumulated depreciation of \$62,413,111 had been provided. The total assets after deducting depreciation provisions amounted to \$419,145,767, of which \$167,250,921 represented the equity in the

### MUNICIPAL ELECTRICAL UTILITIES

#### FIXED ASSETS AND LONG-TERM DEBT



Commission's systems acquired by those utilities operating under cost contracts with the Commission. The individual items making up this total equity in any given year are available to only a few utilities at the time of closing their accounts, so that most utilities show sinking fund equity not as at the end of the current year but as at the end of the previous year. The total, therefore, differs from the amount shown in the Commission's statements of sinking fund equity.

The increase of \$23,565,052 in fixed assets at cost was financed in large part from funds available in the utilities. The debenture debt was increased by the net amount of only \$4,131,856, and accounts payable and other liabilities by \$133,454, so that total liabilities at December 31, 1955 were \$63,844,575 as compared with \$59,579,266 at the end of 1954. The increase in capital, represented by debentures redeemed, sinking fund, and surplus, amounted to \$17,711,565 after deducting \$1,314,742 for frequency standardization expense. An additional \$3,109,098 was made available by provisions for depreciation and reserves. At December 31, 1955 the outstanding long-term debt of the municipal electrical utilities was \$49,776,907.

#### **New Municipal Resale Rate Structures**

Under The Power Commission Act the Commission exercises supervisory control over the activities of the municipal electrical utilities. As an important aspect of financial operations their rates to ultimate customers are subject to the Commission's approval. These rates, based upon the Commission's established rate structure, are intended to provide the utility with sufficient revenue to meet the cost of providing service and at the same time to distribute this cost equitably among the customers taking service. While the basic structures have remained fundamentally unchanged through more than forty years of the Commission's operations, a great many adjustments have been devised within the basic framework to meet the particular requirements of the utilities. More recently the entire rate structure has been reviewed not only on the basis of the experience of the Commission and its associated utilities, but also in relation to the experience of other utilities in many areas of the North American Continent.

In particular, a study carried out during the past three years in conjunction with the rates committee of the Association of Municipal Electrical Utilities indicated that piecemeal changes made in municipal schedules from time to time to meet situations in isolation had resulted in a variety of inequities and anomalies in the application of rates to customers of many utilities. There was also sufficient evidence of the need for reviewing the whole rate structure so that it would be based on a more realistic appreciation of present-day requirements of customers and the costs of providing for them. The recommendations of the study committee were approved by the Commission in 1955 and the new rate structures will be introduced in 1956, initially in the cities of Niagara Falls and Windsor. They will be used thereafter in establishing resale rate schedules in municipalities as changes in rates are required either to meet increased costs of providing service, or to reduce operating surpluses.

The most obvious changes are the adoption of a four-block structure for domestic service and a three-block structure with a demand rate for both commercial and power service. The low end-rate for the latter two services will become effective only after 200 hours' use of demand rather than after 100 hours' use as in the past.

As the new rate structures are introduced the present wide variety of individual schedules will be reduced and the anomalies and inequities created by this variety will be eliminated.

## FINANCIAL AND STATISTICAL TABLES

Four statistical tables complete this section of the Report. The first two, designated Statements "A" and "B" and summarized on page 103, deal with financial aspects of the municipal electrical utilities only. The remaining two give information on rates, customers, revenue, and consumption both for the utilities and for the Commission's local systems. These four statements have been revised from time to time either to include more information or to make it more conveniently available. Two significant changes appear in this Report—the presentation of Statements "A" and "B" on one page, and the inclusion of typical bills in Statement "C".

Statements "A" and "B" respectively include the balance sheets and the operating reports of the municipal electrical utilities, alphabetically arranged for the Southern Ontario System and for the Northern Ontario Properties. Their arrangement on one page will be particularly convenient since an analysis of financial activities requires reference to both statements. The new arrangement was made possible for the most part by eliminating the detail on fixed assets in Statement "A" and some of the detail on expenses in Statement "B". The net result is a representation of the balance sheets and operating statements more in keeping with modern annual report style.

In Statement "A" the amount formerly shown as "Total plant" is now designated "Fixed Assets". The amount formerly shown as "Frequency standardization expenditure in suspense" is now more properly included with miscellaneous assets. It represents replacement equipment of which only part will be ultimately charged to frequency standardization expense. The asset designated as "Equity in Ontario Hydro systems" is acquired by the utilities through the payment of sinking fund as part of the cost of power. This equity is shown in contra under "Reserves". The term "Capital" is now applied to the combined total of debentures redeemed, local sinking fund, and residual operating surplus after making any necessary adjustments in the operating surplus account.

Statement "B" too will be a handier statement for reference as the result of the changes that have been made. In the presentation of revenue figures the total revenue received from sales to domestic, commercial, and power service customers is now shown. For any utility this total is more significant than the three component items formerly shown in the operating statement. These

component items still appear in Statement "D". Under "Expense" the cost of power generated by the local utilities has been added to the statement. The cost of power purchased includes the net amount paid by the utility for power supplied, taking into consideration the year-end adjustments made in the Commission's Cost of Power Statement. Most utilities close their books before the actual cost of power for the current year is available. The utilities, for the most part therefore, apply the adjustments of the previous year to the cost of power purchased. Other expenses are grouped according to accepted practice in a manner which will make all items appropriately comparable, both between utility and utility, and year by year.

Statement "C" has been considerably expanded to include not only rates for domestic, commercial, power, and flat-rate water-heater service but also typical bills for three levels of energy consumption. Such typical bills for selected kilowatt-hour consumptions provide a basis for comparing the cost of service under the various municipal rate schedules which are not themselves comparable. Statement "D" gives information supplementary to that provided in Statement "B". It gives revenue, number of customers, and energy consumption for the three main classes of service. The average of the monthly loads billed to power service customers is also included. Both Statement "C" and Statement "D" include not only the municipal utilities but also the Commission's local systems. In the former statement all the municipalities are listed in alphabetical order, and in the latter they are listed in three groups according to population. Population figures are assessed population as given in the Municipal Directory for 1956 published by the Department of Municipal Affairs of Ontario.

## MUNICIPAL ELECTRICAL SERVICE

### Statistical Tables

#### STATEMENTS A AND B

Financial Statements of the Municipal Electrical Utilities	
Consolidated for Years 1948 to 1955 . . . . .	Page 102
By Municipalities . . . . .	Page 104

#### STATEMENT C

Rates and Typical Bills for Electrical Service Provided by the	
343 Municipal Electrical Utilities and 30 Local Systems . . . . .	Page 162

#### STATEMENT D

Customers, Revenue, and Consumption in Municipalities Served by	
the 343 Municipal Electrical Utilities and 30 Local Systems . . . . .	Page 182

## MUNICIPAL ELECTRICAL UTILITIES

Year.....	1948	1949	1950
Number of municipalities included.....	308	315	321
<b>A. BALANCE SHEETS</b>			
<b>FIXED ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Plant and facilities at cost.....	126,096,691.57	136,745,778.92	156,148,063.75
Accumulated depreciation.....	41,962,273.09	43,893,598.38	46,310,558.56
Net fixed assets.....	84,134,418.48	92,852,180.54	109,837,505.19
<b>CURRENT ASSETS</b>			
Cash on hand and in bank.....	3,480,104.26	2,654,186.08	2,807,734.27
Investment in Government securities.....	26,691,542.33	24,109,961.67	19,706,944.56
Accounts receivable.....	3,987,098.82	4,878,682.68	6,922,076.43
Total current assets.....	34,158,745.41	31,642,830.43	29,436,755.26
<b>OTHER ASSETS</b>			
Inventory of stores.....	3,814,953.93	4,229,137.22	5,114,209.37
Sinking fund on local debentures.....	1,795,295.61	569,497.99	592,491.22
Miscellaneous.....	541,982.60	1,245,093.49	1,685,128.46
Total other assets.....	6,152,232.14	6,043,728.70	7,391,829.05
Equity in Ontario Hydro systems.....	92,889,067.86	100,051,662.98	108,475,000.19
<b>Total.....</b>	<b>217,334,463.89</b>	<b>230,590,402.65</b>	<b>255,141,089.69</b>
<b>LIABILITIES</b>			
Debentures outstanding.....	5,297,137.36	4,545,744.63	14,069,133.05
Accounts payable.....	4,653,790.94	6,610,040.55	7,377,031.22
Other.....	2,841,344.30	2,984,132.94	1,489,028.47
Total liabilities.....	12,792,272.60	14,139,918.12	22,935,192.74
<b>RESERVES</b>			
Equity in Ontario Hydro systems....	92,889,067.86	100,051,662.98	108,475,000.19
Other.....	4,545,757.39	4,673,978.72	4,314,186.14
Total reserves.....	97,434,825.25	104,725,641.70	112,789,186.33
<b>CAPITAL</b>			
Debentures redeemed.....	53,457,629.91	55,525,205.90	56,534,877.64
Local sinking fund.....	1,795,295.61	569,497.99	592,491.22
Residual surplus.....	51,854,440.52	55,638,367.30	62,522,124.72
Frequency standardization expense charged this year.....		8,228.36	232,782.96
Total capital.....	107,107,366.04	111,724,842.83	119,416,710.62
<b>Total.....</b>	<b>217,334,463.89</b>	<b>230,590,402.65</b>	<b>255,141,089.69</b>
<b>B. OPERATING STATEMENTS</b>			
<b>REVENUE</b>			
Domestic, commercial, power.....	49,851,777.20	53,235,839.30	69,538,269.92
Street lighting.....	2,153,034.35	2,219,551.02	2,552,755.74
Other.....	1,489,896.64	1,447,810.41	1,432,505.92
<b>Total revenue.....</b>	<b>53,494,708.19</b>	<b>56,903,200.73</b>	<b>73,523,531.58</b>
<b>EXPENSE</b>			
Power—purchased.....	32,432,823.73	36,225,068.75	46,400,040.72
—generated.....	89,549.19	83,884.50	263,958.02
Operation and maintenance (excluding generation).....	6,292,905.21	6,829,358.35	7,889,232.85
Administration.....	4,833,115.91	5,154,758.32	6,153,793.83
Fixed charges—interest and principal	1,242,657.15	1,147,267.55	1,478,056.32
—depreciation.....	3,278,262.63	3,631,483.76	4,076,473.95
—other.....	1,051,522.24	634,690.02	1,769,378.03
<b>Total expense.....</b>	<b>49,220,836.06</b>	<b>53,706,511.25</b>	<b>68,030,933.72</b>
<b>Surplus or deficit.....</b>	<b>4,273,872.13</b>	<b>3,196,689.48</b>	<b>5,492,597.86</b>
Number of customers.....	757,041	796,482	867,916

## CONSOLIDATED FINANCIAL STATEMENTS 1948-1955

1951	1952	1953	1954	1955
324	327	332	338	343
\$ 173,722,456.91 48,087,416.88	\$ 193,795,885.58 50,985,328.59	\$ 214,595,382.62 54,282,571.38	\$ 243,525,699.63 58,973,785.70	\$ 267,090,751.95 62,413,110.91
125,635,040.03	142,810,556.99	160,312,811.24	184,551,913.93	204,677,641.04
3,276,778.98	4,667,729.07	4,884,136.41	7,376,868.68	9,277,807.16
16,291,592.69	11,542,720.01	10,716,658.76	16,361,137.42	17,392,469.04
7,727,032.69	7,386,627.75	10,298,699.00	10,695,798.63	9,939,403.37
27,295,404.36	23,597,076.83	25,899,494.17	34,433,804.73	36,609,679.57
7,514,369.31	8,001,402.81	7,527,843.57	7,413,229.39	7,900,466.07
613,435.37	388,409.83	410,806.10	383,453.60	383,750.82
1,636,236.87	1,889,668.76	2,393,860.10	3,465,796.88	2,323,308.16
9,764,041.55	10,279,481.40	10,332,509.77	11,262,479.87	10,607,525.05
118,269,170.96	128,655,935.37	140,068,856.95	152,461,822.48	167,250,921.01
<b>280,963,656.90</b>	<b>305,343,050.59</b>	<b>336,613,672.13</b>	<b>382,710,021.01</b>	<b>419,145,766.67</b>
18,889,520.06	24,159,238.87	29,827,723.36	45,645,050.80	49,776,906.68
9,738,476.39	10,375,202.49	10,943,035.08	11,090,473.03	10,574,521.87
1,612,914.06	1,762,832.81	2,224,181.11	2,843,741.81	3,493,146.55
30,240,910.51	36,297,274.17	42,994,939.55	59,579,265.64	63,844,575.10
118,269,170.96	128,655,935.37	140,068,856.95	152,461,822.48	167,250,921.01
5,628,316.81	8,008,751.79	8,153,000.71	8,095,704.58	7,765,477.57
123,897,487.77	136,664,687.16	148,221,857.66	160,557,527.06	175,016,398.58
59,434,311.73	60,260,350.13	61,417,714.38	64,210,219.78	66,488,672.46
613,435.37	388,409.83	410,806.10	383,453.60	383,750.82
67,511,314.72	72,374,287.61	83,934,775.30	98,687,493.41	114,727,111.58
733,803.20	641,958.31	366,420.86	707,938.48	1,314,741.87
126,825,258.62	132,381,089.26	145,396,874.92	162,573,228.31	180,284,792.99
<b>280,963,656.90</b>	<b>305,343,050.59</b>	<b>336,613,672.13</b>	<b>382,710,021.01</b>	<b>419,145,766.67</b>
78,194,913.60	85,692,880.05	104,315,090.06	115,524,224.33	125,492,967.41
2,769,300.03	3,051,561.67	3,681,919.79	3,986,609.82	4,317,330.66
1,347,467.29	1,314,597.74	1,257,311.65	1,345,281.13	1,457,198.85
<b>82,311,680.92</b>	<b>90,059,039.46</b>	<b>109,254,321.50</b>	<b>120,856,115.28</b>	<b>131,267,496.92</b>
50,854,323.41	55,583,500.98	69,750,629.67	75,589,512.37	79,779,898.37
290,579.22	322,179.19	319,743.95	426,606.00	459,594.45
8,886,579.22	9,918,638.33	10,674,896.91	11,527,269.43	12,076,619.71
7,283,471.66	7,645,805.56	8,236,239.48	9,299,704.59	9,896,805.15
1,524,930.86	1,981,386.38	2,400,468.01	3,242,705.07	4,216,876.80
4,717,496.55	5,293,508.78	5,832,594.43	6,547,361.07	7,193,494.56
87,225.06	71,211.41	147,082.99	141,824.01	144,120.97
<b>73,644,340.85</b>	<b>80,816,230.63</b>	<b>97,361,655.44</b>	<b>106,774,982.54</b>	<b>113,767,410.01</b>
<b>8,667,340.07</b>	<b>9,242,808.83</b>	<b>11,892,666.06</b>	<b>14,081,132.74</b>	<b>17,500,086.91</b>
904,880	941,975	986,144	1,045,742	1,089,835

## Municipal Electrical Utilities Financial

## Southern Ontario System

Municipality.....	Acton	Ailsa Craig	Alexandria	Alfred	Alliston
Population.....	3,367	520	2,405	1,804	2,705
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$
Plant and facilities at cost.....	197,104.67	28,713.29	195,001.10	45,029.84	141,318.63
Accumulated depreciation.....	18,413.11	3,679.17	39,914.25	10,870.60	23,962.46
Net fixed assets.....	178,691.56	25,034.12	155,086.85	34,159.24	117,356.17
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	100.00	3,092.71	8,938.99	1,094.21	6,210.40
Investment in Government securities.....	2,000.00		13,000.00		22,000.00
Accounts receivable.....	2,834.92	824.96	2,347.86	43,829.34	2,176.81
Total current assets.....	4,934.92	3,917.67	24,286.85	44,923.55	30,387.21
<b>OTHER ASSETS</b>					
Inventory of stores.....	2,684.18		7,253.42		4,479.52
Sinking fund on local debentures.....					
Miscellaneous.....	3,230.45	662.00			305.00
Total other assets.....	5,914.63	662.00	7,253.42		4,784.52
Equity in Ontario Hydro systems.....	235,149.05	38,409.08	82,698.81		78,178.47
<b>Total.....</b>	<b>424,690.16</b>	<b>68,022.87</b>	<b>269,325.93</b>	<b>79,082.79</b>	<b>230,706.37</b>
<b>LIABILITIES</b>					
Debentures outstanding.....	33,900.00		11,989.79	38,000.00	
Accounts payable.....	5,370.00		40.25	33,589.00	10.00
Other.....	3,110.10	155.00	2,829.08		2,280.60
Total liabilities.....	42,380.10	155.00	14,859.12	71,589.00	2,290.60
<b>RESERVES</b>					
Equity in Ontario Hydro systems.....	235,149.05	38,409.08	82,698.81		78,178.47
Other.....	1,468.05			2,103.75	100.00
Total reserves.....	236,617.10	38,409.08	82,698.81	2,103.75	78,278.47
<b>CAPITAL</b>					
Debentures redeemed.....	15,600.00	6,883.38	42,309.44		37,736.04
Local sinking fund.....					
Residual surplus.....	141,495.01	22,575.41	129,458.56	5,390.04	112,401.26
Frequency standardization expense charged this year.....	11,402.05				
Total capital.....	145,692.96	29,458.79	171,768.00	5,390.04	150,137.30
<b>Total.....</b>	<b>424,690.16</b>	<b>68,022.87</b>	<b>269,325.93</b>	<b>79,082.79</b>	<b>230,706.37</b>
<b>B. OPERATING STATEMENTS</b>				8 months' operation	
<b>REVENUE</b>					
Domestic, commercial, power.....	162,887.24	14,788.95	63,728.42	14,468.08	67,609.56
Street lighting.....	4,598.30	786.00	2,508.50	875.00	2,228.40
Other.....	1,126.20	11.07	4,642.20		709.45
<b>Total revenue.....</b>	<b>168,611.74</b>	<b>15,586.02</b>	<b>70,879.12</b>	<b>15,343.08</b>	<b>70,547.41</b>
<b>EXPENSE</b>					
Power—purchased.....	127,587.77	10,321.09	39,272.63	6,193.96	44,566.60
—generated.....					
Operation and maintenance (excluding generation).....	9,539.85	822.52	4,112.96	533.00	11,529.56
Administration.....	6,319.61	802.91	6,318.94	775.19	4,909.05
Fixed charges—interest and principal.....	2,743.94	2.95	2,075.84	1,540.89	
—depreciation.....	4,067.00	674.00	5,059.00	910.00	3,165.00
—other.....					
<b>Total expense.....</b>	<b>150,258.17</b>	<b>12,623.47</b>	<b>56,839.37</b>	<b>9,953.04</b>	<b>64,170.21</b>
<b>Surplus or deficit.....</b>	<b>18,353.57</b>	<b>2,962.55</b>	<b>14,039.75</b>	<b>5,390.04</b>	<b>6,377.20</b>
Number of customers.....	1,123	214	782	271	890

## Statements for the Year Ended December 31, 1955

Almonte	Alvinston	Amherstburg	Ancaster Twp.	Apple Hill	Arkona	Arnprior
2,719	673	4,028	9,608	416	393	4,930
\$ 280,099.67 72,887.36	\$ 45,681.41 12,050.84	\$ 223,814.20 57,239.60	\$ 186,545.20 14,885.65	\$ 14,487.23 2,991.33	\$ 29,656.55 8,558.84	\$ 267,305.58 16,777.22
207,212.31	33,630.57	166,574.60	171,659.55	11,495.90	21,097.71	250,528.36
19,685.02	5,290.56	113.43	11,221.75	6,379.86	5,502.28	56,825.52
52,000.00	3,500.00	14,000.00	.....	1,000.00	4,000.00	.....
2,827.99	203.59	5,367.69	1,899.74	191.44	126.02	1,079.19
74,513.01	8,994.15	19,481.12	13,121.49	7,571.30	9,628.30	57,904.71
7,630.51	.....	9,011.49	.....	.....	.....	7,927.62
38.70	.....	153.46	13,882.15	.....	.....	.....
7,669.21	.....	9,164.95	13,882.15	.....	.....	7,927.62
20,603.73	38,182.16	180,870.15	62,995.52	8,730.60	19,338.66	90,203.65
<b>309,998.26</b>	<b>80,806.88</b>	<b>376,090.82</b>	<b>261,658.71</b>	<b>27,797.80</b>	<b>50,064.67</b>	<b>406,564.34</b>
.....	.....	21,000.00	103,701.76	.....	.....	64,405.09
3,189.65	.....	160.50	793.24	405.85	.....	21,817.11
823.13	85.00	2,616.16	598.32	.....	358.58	4,508.73
4,012.78	85.00	23,776.66	105,093.32	405.85	358.58	90,730.93
20,603.73	38,182.16	180,870.15	62,995.52	8,730.60	19,338.66	90,203.65
1,526.00	15.28	217.30	582.12	.....	.....	2,237.75
22,129.73	38,197.44	181,087.45	63,577.64	8,730.60	19,338.66	92,441.40
72,000.00	23,529.24	36,053.60	25,408.52	5,080.12	13,112.83	61,064.04
211,855.75	18,995.20	135,817.67	67,579.23	13,581.23	17,254.60	162,327.97
.....	.....	644.56	.....	.....	.....	.....
283,855.75	42,524.44	171,226.71	92,897.75	18,661.35	30,367.43	223,392.01
<b>309,998.26</b>	<b>80,806.88</b>	<b>376,090.82</b>	<b>261,658.71</b>	<b>27,797.80</b>	<b>50,064.67</b>	<b>406,564.34</b>
75,201.52	13,728.38	143,984.11	81,428.26	4,538.10	14,708.79	150,683.84
4,024.00	1,715.00	5,141.51	2,374.00	510.28	865.00	9,501.64
5,235.66	110.54	1,250.75	860.61	60.79	141.55	1,581.32
<b>84,461.18</b>	<b>15,553.92</b>	<b>150,376.37</b>	<b>84,662.87</b>	<b>5,109.17</b>	<b>15,715.34</b>	<b>161,766.80</b>
31,773.73	9,126.53	99,950.12	51,987.94	2,620.00	9,384.38	123,854.35
13,852.56	.....	.....	.....	.....	.....	.....
5,357.29	1,733.49	14,444.44	6,679.22	538.57	642.20	4,521.82
9,431.69	1,225.87	7,591.71	5,836.27	481.36	1,051.57	8,520.19
3,057.33	.....	3,151.00	7,015.00	.....	9.16	6,036.31
7,521.00	1,345.00	6,284.00	3,964.00	385.00	871.00	5,649.00
.....	.....	100.00	.....	.....	.....	.....
<b>70,993.60</b>	<b>13,430.89</b>	<b>131,521.27</b>	<b>75,482.43</b>	<b>4,024.93</b>	<b>11,958.31</b>	<b>148,581.67</b>
<b>13,467.58</b>	<b>2,123.03</b>	<b>18,855.10</b>	<b>9,180.44</b>	<b>1,084.24</b>	<b>3,757.03</b>	<b>13,185.13</b>
993	330	1,291	890	111	179	1,518

## Municipal Electrical Utilities Financial

## Southern Ontario System—Continued

Municipality.....	Arthur	Athens	Aurora	Aylmer	Ayr
Population.....	1,128	896	3,742	4,190	963
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Plant and facilities at cost.....	68,839.57	46,711.21	210,569.35	198,170.61	46,797.14
Accumulated depreciation.....	16,754.90	6,401.47	42,128.63	53,126.02	10,812.40
Net fixed assets.....	52,084.67	40,309.74	168,440.72	145,044.59	35,984.74
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	8,370.53	4,030.08	27,847.90	7,188.33	5,489.41
Investment in Government securities.....	14,000.00	18,000.00			17,000.00
Accounts receivable.....	489.51	1,846.54	2,874.61	2,753.48	3,716.02
Total current assets.....	22,860.04	23,876.62	30,722.51	9,941.81	26,205.43
<b>OTHER ASSETS</b>					
Inventory of stores.....			1,064.58	206.34	
Sinking fund on local debentures.....					
Miscellaneous.....	48.75		70.00	95.85	362.00
Total other assets.....	48.75		1,134.58	302.19	362.00
Equity in Ontario Hydro systems.....	52,077.61	20,375.43	75,159.68	154,448.90	44,992.67
<b>Total.....</b>	<b>127,071.07</b>	<b>84,561.79</b>	<b>275,457.49</b>	<b>309,737.49</b>	<b>107,544.84</b>
<b>LIABILITIES</b>					
Debentures outstanding.....	483.83				
Accounts payable.....		310.48	570.02	1,993.40	188.56
Other.....	567.80		2,437.61	2,739.66	109.64
Total liabilities.....	1,051.63	310.48	3,007.63	4,733.06	298.20
<b>RESERVES</b>					
Equity in Ontario Hydro systems....	52,077.61	20,375.43	75,159.68	154,448.90	44,992.67
Other.....		206.06	100.00	236.82	
Total reserves.....	52,077.61	20,581.49	75,259.68	154,685.72	44,992.67
<b>CAPITAL</b>					
Debentures redeemed.....	24,516.17	12,988.39		38,701.92	17,503.38
Local sinking fund.....					
Residual surplus.....	49,425.66	50,681.43	197,190.18	111,616.79	44,750.59
Frequency standardization expense charged this year.....					
Total capital.....	73,941.83	63,669.82	197,190.18	150,318.71	62,253.97
<b>Total.....</b>	<b>127,071.07</b>	<b>84,561.79</b>	<b>275,457.49</b>	<b>309,737.49</b>	<b>107,544.84</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	31,639.55	12,764.73	152,217.28	139,422.69	29,667.09
Street lighting.....	2,171.70	1,324.00	6,892.47	5,760.00	2,194.00
Other.....	580.30	712.57	618.50	724.92	665.03
<b>Total revenue.....</b>	<b>34,391.55</b>	<b>14,801.30</b>	<b>159,728.25</b>	<b>145,907.61</b>	<b>32,526.12</b>
<b>EXPENSE</b>					
Power—purchased.....	18,521.86	9,206.45	97,724.55	117,184.45	19,246.12
—generated.....					
Operation and maintenance (excluding generation).....	3,200.33	1,047.55	15,561.52	8,653.95	2,614.54
Administration.....	2,187.37	1,031.56	13,154.73	7,344.74	1,852.31
Fixed charges—interest and principal.....	262.59			2.00	
—depreciation.....	1,918.00	1,122.00	5,242.00	5,657.00	1,330.00
—other.....				46.10	
<b>Total expense.....</b>	<b>26,090.15</b>	<b>12,407.56</b>	<b>131,682.80</b>	<b>138,888.24</b>	<b>25,042.97</b>
<b>Surplus or deficit.....</b>	<b>8,301.40</b>	<b>2,393.74</b>	<b>28,045.45</b>	<b>7,019.37</b>	<b>7,483.15</b>
Number of customers.....	465	326	1,419	1,439	350

## Statements for the Year Ended December 31, 1955

Baden	Bancroft	Barrie	Barry's Bay	Bath	Beachville	Beamsville
807	1,612	17,386	1,409	518	821	2,071
\$ 42,990.55 7,329.68	\$ 175,406.73 40,308.63	\$ 1,019,997.90 260,981.04	\$ 56,802.63 2,253.81	\$ 40,254.94 6,791.33	\$ 57,288.88 16,457.74	\$ 84,832.71 16,905.36
35,660.87	135,098.10	759,016.86	54,548.82	33,463.61	40,831.14	67,927.35
8,430.80	13,337.82	12,711.26	11,693.83	26.77	15,330.04	5,183.43
6,500.00	.....	.....	.....	.....	5,000.00	7,000.00
1,723.41	613.28	16,271.22	548.29	401.20	836.13	995.21
16,654.21	13,951.10	28,982.48	12,242.12	427.97	21,166.17	13,178.64
.....	2,611.60	21,512.14	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
253.40	20.00	434.61	.....	.....	1,278.69	749.00
253.40	2,631.60	21,946.75	.....	.....	2,114.82	749.00
86,089.11	5,042.58	522,306.84	3,115.31	8,520.47	119,664.46	40,224.71
<b>138,657.59</b>	<b>156,723.38</b>	<b>1,332,252.93</b>	<b>69,906.25</b>	<b>42,412.05</b>	<b>182,940.46</b>	<b>122,079.70</b>
.....	28,875.00	.....	1,517.17	.....	.....	.....
15.47	308.87	36,404.74	3,552.50	4,029.73	166.96	3,121.88
.....	387.00	9,874.00	140.00	398.00	210.00	809.83
15.47	29,570.87	46,278.74	5,209.67	4,427.73	376.96	3,931.71
86,089.11	5,042.58	522,306.84	3,115.31	8,520.47	119,664.46	40,224.71
.....	.....	573.65	.....	.....	70.52	.....
86,089.11	5,042.58	522,880.49	3,115.31	8,520.47	119,734.98	40,224.71
5,000.00	38,625.00	65,365.68	8,482.83	7,500.00	5,536.66	37,500.00
50,983.35	83,484.93	697,728.02	53,098.44	21,963.85	57,291.86	40,423.28
3,430.34	.....	.....	.....	.....	.....	.....
52,553.01	122,109.93	763,093.70	61,581.27	29,463.85	62,828.52	77,923.28
<b>138,657.59</b>	<b>156,723.38</b>	<b>1,332,252.93</b>	<b>69,906.25</b>	<b>42,412.05</b>	<b>182,940.46</b>	<b>122,079.70</b>
21,315.23	34,453.61	494,256.57	19,350.67	11,450.04	67,873.44	60,180.51
989.11	1,719.96	10,383.91	945.00	610.44	1,312.50	2,926.65
271.76	19.56	8,236.18	2.84	1.41	326.38	210.00
<b>22,576.10</b>	<b>36,193.13</b>	<b>512,876.66</b>	<b>20,298.51</b>	<b>12,061.89</b>	<b>69,512.32</b>	<b>63,317.16</b>
14,401.86	12,464.81	292,243.08	9,464.46	6,239.79	48,015.54	46,328.97
.....	2,596.71	.....	.....	.....	.....	.....
804.67	3,062.64	65,884.15	1,226.39	1,214.65	2,989.20	3,864.34
823.03	4,244.45	36,677.02	1,417.74	1,086.47	955.64	4,527.38
.....	3,681.58	346.30	1,065.45	.....	21.73	.....
1,095.00	4,659.00	28,356.00	1,054.00	930.00	1,716.00	2,241.00
.....	.....	.....	.....	.....	100.00	.....
<b>17,124.56</b>	<b>30,709.19</b>	<b>423,506.55</b>	<b>14,228.04</b>	<b>9,470.91</b>	<b>53,798.11</b>	<b>56,961.69</b>
<b>5,451.54</b>	<b>5,483.94</b>	<b>89,370.11</b>	<b>6,070.47</b>	<b>2,590.98</b>	<b>15,714.21</b>	<b>6,355.47</b>
246	498	5,222	354	222	275	746

# Municipal Electrical Utilities Financial

## Southern Ontario System—Continued

Municipality.....	Beaverton	Beeton	Belle River	Belleville	Blenheim
Population.....	1,075	637	1,680	20,825	2,753
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Plant and facilities at cost.....	75,326.80	44,230.23	83,118.53	981,737.37	205,636.54
Accumulated depreciation.....	16,364.93	6,330.43	18,561.92	179,615.67	29,078.68
Net fixed assets.....	58,961.87	37,899.80	64,556.61	802,121.70	176,557.86
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	1,947.35	5,383.23	5,790.48	59,837.83	25.00
Investment in Government securities.....		1,000.00	2,000.00	155,000.00	
Accounts receivable.....	62.10	140.66	192.66	41,479.82	725.27
Total current assets.....	2,009.45	6,523.89	7,983.14	256,317.65	750.27
<b>OTHER ASSETS</b>					
Inventory of stores.....		3.45	611.50	36,942.36	1,541.72
Sinking fund on local debentures.....					
Miscellaneous.....	150.00		67.74		450.83
Total other assets.....	150.00	3.45	679.24	36,942.36	1,992.55
Equity in Ontario Hydro systems.....	56,598.03	39,008.09	37,060.93	692,811.59	110,890.73
<b>Total.....</b>	<b>117,719.35</b>	<b>83,435.23</b>	<b>110,279.92</b>	<b>1,788,193.30</b>	<b>290,191.41</b>
<b>LIABILITIES</b>					
Debentures outstanding.....			10,000.00		22,480.81
Accounts payable.....	634.28	1,802.45	1,041.06		15,912.58
Other.....	550.05	210.00	700.00	26,114.98	605.00
Total liabilities.....	1,184.33	2,012.45	11,741.06	26,114.98	38,998.39
<b>RESERVES</b>					
Equity in Ontario Hydro systems.....	56,598.03	39,008.09	37,060.93	692,811.59	110,890.73
Other.....	370.00	86.50	817.40	3,290.82	1,836.08
Total reserves.....	56,968.03	39,094.59	37,878.33	696,102.41	112,726.81
<b>CAPITAL</b>					
Debentures redeemed.....	12,839.34	13,610.31	10,500.00	174,997.19	21,519.19
Local sinking fund.....					
Residual surplus.....	46,727.65	28,717.88	50,160.53	890,978.72	116,947.02
Frequency standardization expense charged this year.....					
Total capital.....	59,566.99	42,328.19	60,660.53	1,065,975.91	138,466.21
<b>Total.....</b>	<b>117,719.35</b>	<b>83,435.23</b>	<b>110,279.92</b>	<b>1,788,193.30</b>	<b>290,191.41</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	42,012.15	19,220.89	39,709.16	573,380.63	70,918.26
Street lighting.....	2,542.28	2,060.00	2,511.00	18,259.27	6,411.31
Other.....	380.47	34.47	112.93	25,046.13	2,653.26
<b>Total revenue.....</b>	<b>44,934.90</b>	<b>21,315.36</b>	<b>42,333.09</b>	<b>616,686.03</b>	<b>79,982.83</b>
<b>EXPENSE</b>					
Power—purchased.....	28,111.47	11,723.47	22,341.58	409,821.12	46,881.16
—generated.....					
Operation and maintenance (excluding generation).....	5,028.34	1,794.77	5,012.21	50,108.24	9,045.09
Administration.....	4,218.20	1,100.67	4,006.49	39,978.34	10,156.09
Fixed charges—interest and principal.....			1,577.38		3,905.95
—depreciation.....	2,097.00	1,095.00	2,212.00	25,230.00	4,929.00
—other.....			5.72		
<b>Total expense.....</b>	<b>39,455.01</b>	<b>15,713.91</b>	<b>35,155.38</b>	<b>525,137.70</b>	<b>74,917.29</b>
<b>Surplus or deficit.....</b>	<b>5,479.89</b>	<b>5,601.45</b>	<b>7,177.71</b>	<b>91,548.33</b>	<b>5,065.54</b>
Number of customers.....	495	270	633	6,962	1,018

## Statements for the Year Ended December 31, 1955

Bloomfield	Blyth	Bobcaygeon	Bolton	Bothwell	Bowmanville	Bradford
713	709	1,179	1,084	784	6,380	1,969
\$ 29,272.04 13,551.07	\$ 48,445.51 5,804.97	\$ 174,248.23 47,425.57	\$ 59,904.97 11,117.71	\$ 40,329.76 12,408.05	\$ 496,789.70 116,745.96	\$ 161,217.78 20,250.35
15,720.97	42,640.54	126,822.66	48,787.26	27,921.71	380,043.74	140,967.43
6,895.41	.....	5,922.96	8,292.66	2,703.82	10,191.96	20,323.21
23,500.00	8,000.00	5,000.00	.....	6,000.00	90,000.00	2,500.00
89.89	136.11	5,983.92	813.77	237.82	4,445.62	1,038.19
30,485.30	8,136.11	16,906.88	9,106.43	8,941.64	104,637.58	23,861.40
.....	.....	3,189.12	1,559.72	.....	11,491.39	8,310.42
.....	.....	.....	.....	.....	17.69	429.25
.....	56.00	.....	.....	.....	.....	.....
.....	56.00	3,189.12	1,559.72	.....	11,509.08	8,739.67
21,541.93	32,357.89	9,682.68	48,908.74	43,245.99	266,626.84	59,283.83
<b>67,748.20</b>	<b>83,190.54</b>	<b>156,601.34</b>	<b>108,362.15</b>	<b>80,109.34</b>	<b>762,817.24</b>	<b>232,852.33</b>
.....	.....	13,272.83	10,000.00	.....	.....	.....
10.00	1,029.71	920.83	.....	203.99	615.77	.....
389.00	197.89	130.00	558.35	96.88	3,529.00	1,306.34
399.00	1,227.60	14,323.66	10,558.35	300.87	4,144.77	1,306.34
21,541.93	32,357.89	9,682.68	48,908.74	43,245.99	266,626.84	59,283.83
.....	.....	.....	657.08	.....	.....	100.00
21,541.93	32,357.89	9,682.68	49,565.82	43,245.99	266,626.84	59,383.83
9,796.58	16,032.52	76,727.17	12,500.00	5,534.19	71,000.00	23,351.06
36,010.69	33,572.53	55,867.83	35,737.98	31,028.29	421,045.63	148,811.10
.....	.....	.....	.....	.....	.....	.....
45,807.27	49,605.05	132,595.00	48,237.98	36,562.48	492,045.63	172,162.16
<b>67,748.20</b>	<b>83,190.54</b>	<b>156,601.34</b>	<b>108,362.15</b>	<b>80,109.34</b>	<b>762,817.24</b>	<b>232,852.33</b>
16,966.07	26,335.39	39,591.76	29,790.77	17,531.59	219,869.16	70,331.82
1,275.00	1,382.64	3,614.13	1,333.11	1,819.98	10,922.46	3,248.00
859.26	241.61	698.76	81.29	304.27	3,826.28	573.70
<b>19,100.33</b>	<b>27,959.64</b>	<b>43,904.65</b>	<b>31,205.17</b>	<b>19,655.84</b>	<b>234,617.90</b>	<b>74,153.52</b>
13,103.88	18,543.66	16,016.41	22,814.57	14,819.05	152,626.28	37,002.75
.....	.....	30.26	.....	.....	.....	.....
1,433.14	2,061.61	3,733.85	1,293.42	1,000.91	22,008.37	6,412.85
1,329.13	1,667.30	5,403.82	2,166.38	1,143.34	10,174.82	5,424.15
.....	2.57	4,782.81	656.65	.....	.....	.....
668.00	1,110.00	2,261.00	1,564.00	1,238.00	13,893.00	3,439.00
.....	.....	.....	70.00	.....	.....	.....
<b>16,534.15</b>	<b>23,385.14</b>	<b>32,228.15</b>	<b>28,565.02</b>	<b>18,201.30</b>	<b>198,702.47</b>	<b>52,278.75</b>
<b>2,566.18</b>	<b>4,574.50</b>	<b>11,676.50</b>	<b>2,640.15</b>	<b>1,454.54</b>	<b>35,915.43</b>	<b>21,874.77</b>
293	318	624	418	302	2,194	690

## Municipal Electrical Utilities Financial

## Southern Ontario System—Continued

Municipality.....	Braeside	Brampton	Brantford	Brantford Twp.	Brechin
Population.....	476	11,738	50,592	5,989	216
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$
Plant and facilities at cost.....	20,817.91	682,620.22	3,353,120.47	28,498.91	8,938.98
Accumulated depreciation.....	1,037.27	71,343.98	845,507.89	6,333.26	1,873.18
Net fixed assets.....	19,780.64	611,276.24	2,507,612.58	22,165.65	7,065.80
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	88.41	32,112.82	23,657.77	24,918.61	3,859.83
Investment in Government securities.....		1,500.00	259,568.01		10,000.00
Accounts receivable.....	1,744.86	9,633.86	107,046.16	400.81	69.36
Total current assets.....	1,833.27	43,246.68	390,271.94	25,319.42	13,929.19
<b>OTHER ASSETS</b>					
Inventory of stores.....		12,278.42	78,187.85	3,400.92	
Sinking fund on local debentures.....					
Miscellaneous.....		41,842.33	99,635.32	73.64	
Total other assets.....		54,120.75	177,823.17	3,474.56	
Equity in Ontario Hydro systems.....	7,497.34	503,093.01	2,931,198.56	9,115.69	17,399.41
<b>Total.....</b>	<b>29,111.25</b>	<b>1,211,736.68</b>	<b>6,006,906.25</b>	<b>60,075.32</b>	<b>38,394.40</b>
<b>LIABILITIES</b>					
Debentures outstanding.....	3,282.54	251,000.00	759,160.01	8,037.26	
Accounts payable.....	1,111.73	4,363.95	4,302.14	23,542.38	
Other.....	205.00	4,933.00	51,559.72	756.74	65.00
Total liabilities.....	4,599.27	260,296.95	815,021.87	32,336.38	65.00
<b>RESERVES</b>					
Equity in Ontario Hydro systems.....	7,497.34	503,093.01	2,931,198.56	9,115.69	17,399.41
Other.....		2,179.06	20,133.98	21.42	53.93
Total reserves.....	7,497.34	505,272.07	2,951,332.54	9,137.11	17,453.34
<b>CAPITAL</b>					
Debentures redeemed.....	2,717.46	78,050.64	693,953.89	5,974.50	2,664.00
Local sinking fund.....					
Residual surplus.....	14,297.18	368,117.02	1,546,597.95	12,627.33	18,212.06
Frequency standardization expense charged this year.....					
Total capital.....	17,014.64	446,167.66	2,240,551.84	18,601.83	20,876.06
<b>Total.....</b>	<b>29,111.25</b>	<b>1,211,736.68</b>	<b>6,006,906.25</b>	<b>60,075.32</b>	<b>38,394.40</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	13,716.67	367,082.34	1,681,400.65	11,029.04	6,044.49
Street lighting.....	571.67	12,905.69	60,557.45	700.50	360.00
Other.....	57.87	3,020.39	12,627.01	407.87	335.44
<b>Total revenue.....</b>	<b>14,346.21</b>	<b>383,008.42</b>	<b>1,754,585.11</b>	<b>12,137.41</b>	<b>6,739.93</b>
<b>EXPENSE</b>					
Power—purchased.....	12,127.45	266,879.53	1,229,584.60	4,762.25	3,649.82
—generated.....					
Operation and maintenance (exclud- ing generation).....	491.98	13,332.74	121,529.19	2,842.45	480.33
Administration.....	613.79	10,589.58	62,077.88	7,495.40	618.12
Fixed charges—interest and principal	441.51	19,398.55	68,081.35	792.42	
—depreciation.....	415.00	16,791.00	92,921.00	359.00	231.00
—other.....					25.00
<b>Total expense.....</b>	<b>14,089.73</b>	<b>326,991.40</b>	<b>1,574,194.02</b>	<b>16,251.52</b>	<b>5,004.27</b>
<b>Surplus or deficit.....</b>	<b>256.48</b>	<b>56,017.02</b>	<b>180,391.09</b>	<b>4,114.11</b>	<b>1,735.66</b>
Number of customers.....	143	3,720	16,220	111	92

## Statements for the Year Ended December 31, 1955

Bridgeport	Brigden	Brighton	Brockville	Bronte	Brussels	Burford
1,431	467	2,074	14,402	1,913	823	951
\$ 63,960.44 14,318.88	\$ 36,659.36 6,890.33	\$ 106,938.91 9,529.10	\$ 864,586.61 197,101.72	\$ 111,722.80 10,424.64	\$ 50,909.38 4,490.69	\$ 49,125.54 12,776.35
49,641.56	29,769.03	97,409.81	667,484.89	101,298.16	46,418.69	36,349.19
1,278.30	2,539.03	4,212.02	.....	1,218.12	4,173.42	836.65
.....	.....	10,000.00	12,000.00	.....	.....	3,500.00
495.92	87.19	976.86	14,648.65	1,014.06	80.40	908.27
1,774.22	2,626.22	15,188.88	26,648.65	2,232.18	4,253.82	5,244.92
.....	.....	5,032.65	10,712.78	2,439.67	.....	60.36
.....	.....	.....	1,379.28	18.00	28.00	108.00
22.00	.....	.....	.....	.....	.....	.....
22.00	.....	5,032.65	12,092.06	2,457.67	28.00	168.36
26,172.03	30,145.87	49,913.16	613,714.04	5,930.98	40,429.37	43,139.36
<b>77,609.81</b>	<b>62,541.12</b>	<b>167,544.50</b>	<b>1,319,939.64</b>	<b>111,918.99</b>	<b>91,129.88</b>	<b>84,901.83</b>
12,000.00	.....	.....	.....	36,350.00	.....	.....
863.62	.....	.....	33,788.11	1,034.27	.....	83.75
770.00	75.00	1,638.45	9,374.69	1,803.64	150.25	146.30
13,633.62	75.00	1,638.45	43,162.80	39,187.91	150.25	230.05
26,172.03	30,145.87	49,913.16	613,714.04	5,930.98	40,429.37	43,139.36
420.00	.....	.....	1,699.83	233.91	.....	.....
26,592.03	30,145.87	49,913.16	615,413.87	6,164.89	40,429.37	43,139.36
12,368.03	8,000.00	25,000.00	174,869.92	2,650.00	21,000.00	9,000.00
.....	.....	.....	486,493.05	63,916.19	29,550.26	32,532.42
30,564.77	24,320.25	90,992.89	.....	.....	.....	.....
5,548.64	.....	.....	.....	.....	.....	.....
37,384.16	32,320.25	115,992.89	661,362.97	66,566.19	50,550.26	41,532.42
<b>77,609.81</b>	<b>62,541.12</b>	<b>167,544.50</b>	<b>1,319,939.64</b>	<b>111,918.99</b>	<b>91,129.88</b>	<b>84,901.83</b>
30,026.30	11,996.60	63,844.21	464,903.54	47,589.10	25,930.49	26,978.21
1,677.00	1,076.00	2,983.90	10,920.97	1,625.88	1,296.00	1,508.52
139.25	50.30	529.50	4,521.86	4.80	23.13	159.98
<b>31,842.55</b>	<b>13,122.90</b>	<b>67,357.61</b>	<b>480,346.37</b>	<b>49,219.78</b>	<b>27,249.62</b>	<b>28,646.71</b>
21,058.61	7,487.07	35,154.33	316,587.07	27,043.79	19,882.98	20,960.73
.....	.....	.....	.....	.....	.....	.....
2,058.65	1,499.13	5,796.29	50,032.71	4,277.16	1,190.42	1,730.02
2,408.29	1,341.67	7,183.04	36,064.17	5,457.58	1,370.29	1,540.31
591.33	.....	.....	.....	3,514.19	.....	.....
1,805.00	966.00	2,256.00	21,153.00	2,319.00	1,139.00	1,397.00
.....	.....	.....	.....	.....	.....	.....
<b>27,921.88</b>	<b>11,293.87</b>	<b>50,389.66</b>	<b>423,836.95</b>	<b>42,611.72</b>	<b>23,582.69</b>	<b>25,628.06</b>
<b>3,920.67</b>	<b>1,829.03</b>	<b>16,967.95</b>	<b>56,509.42</b>	<b>6,608.06</b>	<b>3,666.93</b>	<b>3,018.65</b>
387	209	872	4,496	621	372	401

## Municipal Electrical Utilities Financial

## Southern Ontario System—Continued

Municipality.....	Burgessville	Burk's Falls	Burlington	Caledonia	Campbellville
Population.....	229	888	8,834	2,037	320
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>					
Plant and facilities at cost.....	\$ 16,358.94	\$ 64,402.06	\$ 477,457.99	\$ 100,026.95	\$ 13,053.26
Accumulated depreciation.....	5,468.74	7,132.68	42,341.86	15,603.77	2,669.00
Net fixed assets.....	10,890.20	57,269.38	435,116.13	84,423.18	10,384.26
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	1,438.78	6,289.97	56,390.97	8,333.83	508.38
Investment in Government securities.....	1,500.00	.....	38,100.00	200.00	500.00
Accounts receivable.....	36.90	1,002.65	2,170.14	1,472.93	82.66
Total current assets.....	2,975.68	7,292.62	96,661.11	10,006.76	1,091.04
<b>OTHER ASSETS</b>					
Inventory of stores.....	.....	98.16	17,091.91	5,231.80	.....
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	523.79	.....	1,701.16	154.00	694.03
Total other assets.....	523.79	98.16	18,793.07	5,385.80	694.03
Equity in Ontario Hydro systems.....	14,877.54	4,447.14	87,147.41	66,472.34	9,033.61
<b>Total.....</b>	<b>29,267.21</b>	<b>69,107.30</b>	<b>637,717.72</b>	<b>166,288.08</b>	<b>21,202.94</b>
<b>LIABILITIES</b>					
Debentures outstanding.....	3,500.00	23,118.82	147,999.33	6,500.00	.....
Accounts payable.....	3.56	7.20	1,250.39	1,842.68	221.23
Other.....	5.00	22.50	16,581.46	860.69	.....
Total liabilities.....	3,508.56	23,148.52	165,831.18	9,203.37	221.23
<b>RESERVES</b>					
Equity in Ontario Hydro systems.....	14,877.54	4,447.14	87,147.41	66,472.34	9,033.61
Other.....	.....	100.00	.....	343.75	.....
Total reserves.....	14,877.54	4,547.14	87,147.41	66,816.09	9,033.61
<b>CAPITAL</b>					
Debentures redeemed.....	.....	11,881.18	112,500.67	9,124.00	5,447.77
Local sinking fund.....	.....	.....	.....	.....	.....
Residual surplus.....	10,881.11	29,530.46	272,238.46	81,144.62	6,500.33
Frequency standardization expense charged this year.....	.....	.....	.....	.....	.....
Total capital.....	10,881.11	41,411.64	384,739.13	90,268.62	11,948.10
<b>Total.....</b>	<b>29,267.21</b>	<b>69,107.30</b>	<b>637,717.72</b>	<b>166,288.08</b>	<b>21,202.94</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	7,546.51	23,701.48	304,079.49	47,043.73	6,127.50
Street lighting.....	416.00	2,389.50	10,873.18	4,218.03	372.00
Other.....	46.60	186.47	2,244.02	197.49	50.46
<b>Total revenue.....</b>	<b>8,009.11</b>	<b>26,277.45</b>	<b>317,196.69</b>	<b>51,459.25</b>	<b>6,549.96</b>
<b>EXPENSE</b>					
Power—purchased.....	6,382.81	13,741.65	182,948.41	29,083.77	4,825.49
—generated.....	.....	.....	.....	.....	.....
Operation and maintenance (excluding generation).....	958.44	1,808.60	19,560.74	4,743.23	529.30
Administration.....	293.68	1,990.52	30,468.28	3,967.46	268.45
Fixed charges—interest and principal.....	1.48	3,038.88	17,545.55	1,323.55	.....
—depreciation.....	320.00	1,390.00	10,112.00	2,440.00	351.00
—other.....	.....	.....	.....	.....	.....
<b>Total expense.....</b>	<b>7,956.41</b>	<b>21,969.65</b>	<b>260,634.98</b>	<b>41,558.01</b>	<b>5,974.24</b>
<b>Surplus or deficit.....</b>	<b>52.70</b>	<b>4,307.80</b>	<b>56,561.71</b>	<b>9,901.24</b>	<b>575.72</b>
Number of customers.....	98	314	3,019	746	85

## Statements for the Year Ended December 31, 1955

Cannington	Cardinal	Carleton Place	Casselman	Cayuga	Chatham	Chatsworth
950	1,874	4,674	1,187	795	22,973	426
\$ 51,781.20 15,016.51	\$ 50,733.17 7,731.27	\$ 184,993.15 35,160.44	\$ 69,602.62 3,751.00	\$ 68,645.32 9,458.14	\$ 2,052,767.94 455,327.19	\$ 22,964.78 6,040.92
36,764.69	43,001.90	149,832.71	65,851.62	59,187.18	1,597,440.75	16,923.86
3,690.15	3,513.41	.....	6,577.78	5,405.65	50.00	6,595.59
7,000.00	1,500.00	31,500.00	6,000.00	17,500.00	50,000.00	3,000.00
517.12	602.11	3,517.74	1,634.10	280.64	109,859.04	94.87
11,207.27	5,615.52	35,017.74	14,211.88	23,186.29	159,909.04	9,690.46
538.56	.....	5,461.83	.....	269.00	61,601.92	.....
.....	.....	.....	.....	54.00	103,080.52	.....
538.56	.....	5,461.83	.....	323.00	164,682.44	.....
43,854.04	31,223.18	239,016.01	2,234.43	30,155.20	1,184,412.51	15,622.32
<b>92,364.56</b>	<b>79,840.60</b>	<b>429,328.29</b>	<b>82,297.93</b>	<b>112,851.67</b>	<b>3,106,444.74</b>	<b>42,236.64</b>
.....	.....	.....	62,500.00	.....	321,606.43	.....
590.11	57.81	3,187.34	122.19	560.69	222,534.84	.....
165.00	.....	2,387.85	10.00	515.43	13,089.14	180.85
755.11	57.81	5,575.19	62,632.19	1,076.12	557,230.41	180.85
43,854.04	31,223.18	239,016.01	2,234.43	30,155.20	1,184,412.51	15,622.32
61.45	.....	395.20	.....	113.23	58,174.83	.....
43,915.49	31,223.18	239,411.21	2,234.43	30,268.43	1,242,587.34	15,622.32
14,532.42	11,014.20	58,116.83	7,500.00	20,000.00	548,393.57	5,014.10
33,161.54	37,545.41	126,225.06	9,931.31	61,507.12	758,233.42	21,419.37
.....	.....	.....	.....	.....	.....	.....
47,693.96	48,559.61	184,341.89	17,431.31	81,507.12	1,306,626.99	26,433.47
<b>92,364.56</b>	<b>79,840.60</b>	<b>429,328.29</b>	<b>82,297.93</b>	<b>112,851.67</b>	<b>3,106,444.74</b>	<b>42,236.64</b>
26,851.08	34,752.32	124,166.57	26,333.77	21,608.36	940,230.49	12,212.75
1,948.67	1,408.02	6,787.60	1,890.00	2,903.52	51,557.92	1,280.00
305.03	268.98	1,679.10	176.34	554.17	7,375.22	129.99
<b>29,104.78</b>	<b>36,429.32</b>	<b>132,633.27</b>	<b>28,400.11</b>	<b>25,066.05</b>	<b>999,163.63</b>	<b>13,622.74</b>
19,985.92	25,791.54	97,038.41	12,909.09	10,816.25	503,066.40	8,175.94
2,426.04	2,571.87	11,099.82	1,166.63	3,338.29	152,529.56	858.01
2,642.37	2,212.15	15,006.53	2,514.34	3,380.73	146,188.49	829.78
.31	.....	.....	5,750.00	.....	45,393.77	.....
1,566.00	1,240.00	4,776.00	1,370.00	1,663.00	53,669.00	665.00
79.84	.....	.....	.....	.....	305.00	.....
<b>26,700.48</b>	<b>31,815.56</b>	<b>127,920.76</b>	<b>23,710.06</b>	<b>19,198.27</b>	<b>901,152.22</b>	<b>10,528.73</b>
<b>2,404.30</b>	<b>4,613.76</b>	<b>4,712.51</b>	<b>4,690.05</b>	<b>5,867.78</b>	<b>98,011.41</b>	<b>3,094.01</b>
433	593	1,630	335	321	7,350	169

## Municipal Electrical Utilities Financial

### Southern Ontario System—Continued

Municipality.....	Chesley	Chesterville	Chippawa	Clifford	Clinton
Population.....	1,668	1,203	1,911	538	2,814
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Plant and facilities at cost.....	93,079.68	55,301.02	94,068.67	34,427.76	183,382.00
Accumulated depreciation.....	26,213.43	10,012.32	19,303.92	7,680.62	26,668.58
Net fixed assets.....	66,866.25	45,288.70	74,764.75	26,747.14	156,713.42
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	6,180.41	2,665.29	2,546.99	2,978.34	1,403.88
Investment in Government securities.....	12,000.00	6,000.00	4,500.00		
Accounts receivable.....	219.72	2,667.37	839.73	35.85	1,336.99
Total current assets.....	18,400.13	11,332.66	7,886.72	3,014.19	2,740.87
<b>OTHER ASSETS</b>					
Inventory of stores.....	788.58		1,143.85		3,385.68
Sinking fund on local debentures.....					
Miscellaneous.....			.82	17.00	576.19
Total other assets.....	788.58		1,144.67	17.00	3,961.87
Equity in Ontario Hydro systems.....	103,465.00	73,164.19	49,821.95	23,386.63	139,167.62
<b>Total.....</b>	<b>189,519.96</b>	<b>129,785.55</b>	<b>133,618.09</b>	<b>53,164.96</b>	<b>302,583.78</b>
<b>LIABILITIES</b>					
Debentures outstanding.....					42,700.00
Accounts payable.....	57.51		14,599.29	1,567.47	653.25
Other.....		61.00	1,140.00	5.00	2,314.12
Total liabilities.....	57.51	61.00	15,739.29	1,572.47	45,667.37
<b>RESERVES</b>					
Equity in Ontario Hydro systems.....	103,465.00	73,164.19	49,821.95	23,386.63	139,167.62
Other.....					1,853.53
Total reserves.....	103,465.00	73,164.19	49,821.95	23,386.63	141,021.15
<b>CAPITAL</b>					
Debentures redeemed.....	24,410.34	5,889.32	13,350.00	8,000.00	51,800.00
Local sinking fund.....					
Residual surplus.....	61,587.11	50,671.04	60,469.91	20,205.86	64,095.26
Frequency standardization expense charged this year.....			5,763.06		
Total capital.....	85,997.45	56,560.36	68,056.85	28,205.86	115,895.26
<b>Total.....</b>	<b>189,519.96</b>	<b>129,785.55</b>	<b>133,618.09</b>	<b>53,164.96</b>	<b>302,583.78</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	47,894.71	42,257.16	39,331.82	16,597.03	102,814.45
Street lighting.....	2,916.00	2,238.00	4,168.48	1,232.52	3,969.09
Other.....	260.60	475.63	257.77	3.84	735.65
<b>Total revenue.....</b>	<b>51,071.31</b>	<b>44,970.79</b>	<b>43,758.07</b>	<b>17,833.39</b>	<b>107,519.19</b>
<b>EXPENSE</b>					
Power—purchased.....	35,691.10	33,152.77	24,506.88	10,764.79	70,528.69
—generated.....					
Operation and maintenance (excluding generation).....	3,209.74	2,883.67	5,724.62	1,437.10	7,684.39
Administration.....	3,561.70	1,885.61	3,122.55	1,013.92	7,824.60
Fixed charges—interest and principal.....		43.21			4,576.22
—depreciation.....	2,807.00	1,439.00	2,496.00	923.00	4,361.00
—other.....					
<b>Total expense.....</b>	<b>45,269.54</b>	<b>39,404.26</b>	<b>35,850.05</b>	<b>14,138.81</b>	<b>94,974.90</b>
<b>Surplus or deficit.....</b>	<b>5,801.77</b>	<b>5,566.53</b>	<b>7,908.02</b>	<b>3,694.58</b>	<b>12,544.29</b>
Number of customers.....	699	397	640	201	1,097

## Statements for the Year Ended December 31, 1955

Cobden	Cobourg	Colborne	Coldwater	Collingwood	Comber	Cookstown
828	8,269	1,160	636	7,740	597	615
\$ 49,420.30 2,878.33	\$ 517,474.30 114,288.01	\$ 48,375.60 5,776.53	\$ 46,122.72 9,543.23	\$ 338,535.54 71,248.28	\$ 41,093.07 7,424.92	\$ 36,659.62 4,684.84
46,541.97	403,186.29	42,599.07	36,579.49	267,287.26	33,668.15	31,974.78
8,387.98	200.00	4,329.94	3,289.95	57,908.63	4,163.71	8,081.75
8,000.00	20,000.00	5,000.00	8,500.00	11,000.00	.....	.....
336.33	21,873.44	1,958.75	936.49	3,298.51	260.67	260.60
16,724.31	42,073.44	11,288.69	12,726.44	72,207.14	4,424.38	8,342.35
.....	21,987.90	7,934.41	.....	10,775.55	12.00	.....
.....	.....	.....	.....	.....	.....	.....
1,500.00	4,273.50	.....	.....	1,514.74	.....	460.00
1,500.00	26,261.40	7,934.41	.....	12,290.29	12.00	460.00
14,020.94	239,583.15	24,640.62	37,051.95	399,286.47	45,235.41	16,944.24
<b>78,787.22</b>	<b>711,104.28</b>	<b>86,462.79</b>	<b>86,357.88</b>	<b>751,071.16</b>	<b>83,339.94</b>	<b>57,721.37</b>
.....	.....	.....	.....	.....	3,875.32	.....
10.00	4,307.24	703.15	518.70	94.94	.....	254.85
73.50	9,207.39	768.00	165.37	5,343.74	128.31	250.47
83.50	13,514.63	1,471.15	684.07	5,438.68	4,003.63	505.32
14,020.94	239,583.15	24,640.62	37,051.95	399,286.47	45,235.41	16,944.24
.....	.....	.....	136.48	405.46	25.38	.....
14,020.94	239,583.15	24,640.62	37,188.43	399,691.93	45,260.79	16,944.24
4,949.42	105,993.50	12,194.59	6,867.47	38,183.42	8,824.68	12,000.85
.....	.....	.....	.....	.....	.....	.....
59,733.36	352,013.00	48,156.43	41,617.91	307,757.13	25,250.84	28,270.96
.....	.....	.....	.....	.....	.....	.....
64,682.78	458,006.50	60,351.02	48,485.38	345,940.55	34,075.52	40,271.81
<b>78,787.22</b>	<b>711,104.28</b>	<b>86,462.79</b>	<b>86,357.88</b>	<b>751,071.16</b>	<b>83,339.94</b>	<b>57,721.37</b>
22,429.76	347,764.41	33,085.16	17,675.46	223,463.15	16,916.27	13,606.59
1,960.50	12,414.04	2,490.18	1,251.00	8,313.08	1,398.00	990.00
120.31	3,039.01	644.70	329.16	1,464.00	15.43	6.09
<b>24,510.57</b>	<b>363,217.46</b>	<b>36,220.04</b>	<b>19,255.62</b>	<b>233,240.23</b>	<b>18,329.70</b>	<b>14,602.68</b>
13,093.25	248,903.24	22,159.05	11,385.75	154,578.83	10,845.01	8,866.78
.....	.....	.....	.....	.....	.....	.....
999.88	21,706.48	4,247.57	1,818.38	18,355.98	1,061.10	1,220.32
1,136.10	22,343.82	4,265.73	1,625.48	11,740.57	1,643.65	1,032.92
.....	.....	.....	4.34	.....	418.83	.....
1,030.00	13,644.00	1,100.00	1,236.00	9,104.00	1,060.00	877.00
.....	.....	.....	.....	.....	.....	.....
<b>16,259.23</b>	<b>306,597.54</b>	<b>31,772.35</b>	<b>16,069.95</b>	<b>193,779.38</b>	<b>15,028.59</b>	<b>11,997.02</b>
<b>8,251.34</b>	<b>56,619.92</b>	<b>4,447.69</b>	<b>3,185.67</b>	<b>39,460.85</b>	<b>3,301.11</b>	<b>2,605.66</b>
365	2,915	499	254	2,685	237	229

# Municipal Electrical Utilities Financial

## Southern Ontario System—Continued

Municipality.....	Cottam	Courtright	Creemore	Dashwood	Delaware
Population.....	601	572	817	295	338
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Plant and facilities at cost.....	36,146.33	21,688.03	33,351.92	19,563.32	16,282.81
Accumulated depreciation.....	8,287.21	2,439.41	7,034.82	2,393.56	4,492.66
Net fixed assets.....	27,859.12	19,248.62	26,317.10	17,169.76	11,790.15
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	3,226.68	4,819.37	3,981.75	5,080.42	1,544.28
Investment in Government securities.....	3,000.00		10,000.00		
Accounts receivable.....	90.83	369.70	508.80	55.80	104.42
Total current assets.....	6,317.51	5,189.07	14,490.55	5,136.22	1,648.70
<b>OTHER ASSETS</b>					
Inventory of stores.....					
Sinking fund on local debentures.....					
Miscellaneous.....	3,014.01		600.00		1.00
Total other assets.....	3,014.01		600.00		1.00
Equity in Ontario Hydro systems.....	15,206.92	15,569.66	32,571.78	24,603.10	11,861.55
<b>Total.....</b>	<b>52,397.56</b>	<b>40,007.35</b>	<b>73,979.43</b>	<b>46,909.08</b>	<b>25,301.40</b>
<b>LIABILITIES</b>					
Debentures outstanding.....	4,250.00				
Accounts payable.....	318.78			113.80	
Other.....	194.59	341.64	371.15		35.00
Total liabilities.....	4,763.37	341.64	371.15	113.80	35.00
<b>RESERVES</b>					
Equity in Ontario Hydro systems.....	15,206.92	15,569.66	32,571.78	24,603.10	11,861.55
Other.....	389.20	5.24	143.73		22.53
Total reserves.....	15,596.12	15,574.90	32,715.51	24,603.10	11,884.08
<b>CAPITAL</b>					
Debentures redeemed.....	9,750.22	8,138.35	2,823.61	3,400.00	4,000.00
Local sinking fund.....					
Residual surplus.....	22,287.85	15,952.46	38,069.16	18,792.18	9,382.32
Frequency standardization expense charged this year.....					
Total capital.....	32,038.07	24,090.81	40,892.77	22,192.18	13,382.32
<b>Total.....</b>	<b>52,397.56</b>	<b>40,007.35</b>	<b>73,979.43</b>	<b>46,909.08</b>	<b>25,301.40</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	13,071.81	8,669.15	18,466.76	13,285.01	9,968.86
Street lighting.....	875.00	776.00	1,308.00	810.00	360.00
Other.....	92.73	1.00	304.56	2.53	2.84
<b>Total revenue.....</b>	<b>14,039.54</b>	<b>9,446.15</b>	<b>20,079.32</b>	<b>14,097.54</b>	<b>10,331.70</b>
<b>EXPENSE</b>					
Power—purchased.....	7,386.64	5,555.38	13,608.05	9,434.87	7,525.45
—generated.....					
Operation and maintenance (excluding generation).....	980.92	478.49	1,079.76	161.24	135.72
Administration.....	1,367.43	426.45	1,145.91	1,371.02	903.80
Fixed charges—interest and principal.....	713.75	10.42		1.40	3.15
—depreciation.....	987.00	506.00	898.00	484.00	483.00
—other.....					
<b>Total expense.....</b>	<b>11,435.74</b>	<b>6,976.74</b>	<b>16,731.72</b>	<b>11,452.53</b>	<b>9,051.12</b>
<b>Surplus or deficit.....</b>	<b>2,603.80</b>	<b>2,469.41</b>	<b>3,347.60</b>	<b>2,645.01</b>	<b>1,280.58</b>
Number of customers.....	236	184	345	174	124

## Statements for the Year Ended December 31, 1955

Delhi	Deseronto	Dorchester	Drayton	Dresden	Drumbo	Dublin
2,985	1,653	758	558	2,195	356	239
\$ 205,093.76 34,213.99	\$ 96,776.70 18,781.22	\$ 42,931.73 8,535.11	\$ 35,493.21 9,758.27	\$ 141,171.59 10,963.83	\$ 21,642.98 8,285.27	\$ 23,165.20 5,837.22
170,879.77	77,995.48	34,396.62	25,734.94	130,207.76	13,357.71	17,327.98
16,446.20	8,172.96	1,536.95	6,194.97	15,524.61	5,953.53	1,425.22
28,500.00	6,000.00	1,500.00	6,000.00	1,000.00	5,500.00	1,300.00
1,720.45	3,413.39	457.88	204.56	4,368.47	767.73	1,726.30
46,666.65	17,586.35	3,494.83	12,399.53	20,893.08	12,221.26	4,451.52
9,034.54	8,673.37	.....	.....	9,779.11	17.84	.....
100.25	.....	.....	70.30	389.01	78.00	.....
9,134.79	8,673.37	.....	70.30	10,168.12	95.84	.....
51,058.92	32,806.25	22,437.97	34,825.29	94,532.89	19,629.24	14,743.13
<b>277,740.13</b>	<b>137,061.45</b>	<b>60,329.42</b>	<b>73,030.06</b>	<b>255,801.85</b>	<b>45,304.05</b>	<b>36,522.63</b>
20,761.20	.....	2,814.02	.....	34,448.35	.....	.....
32.58	.....	3,646.26	75.00	575.52	174.71	2,616.09
3,052.15	941.22	158.22	25.00	1,035.00	73.48	15.00
23,845.93	941.22	2,972.24	100.00	36,058.87	248.19	2,631.09
51,058.92	32,806.25	22,437.97	34,825.29	94,532.89	19,629.24	14,743.13
.....	.....	.....	.....	1,949.69	.....	.....
51,058.92	32,806.25	22,437.97	34,825.29	96,482.58	19,629.24	14,743.13
64,238.80	15,000.00	4,485.98	9,500.00	16,974.89	4,500.00	6,200.00
138,596.48	88,313.98	30,433.23	28,604.77	106,285.51	20,926.62	12,948.41
.....	.....	.....	.....	.....	.....	.....
202,835.28	103,313.98	34,919.21	38,104.77	123,260.40	25,426.62	19,148.41
<b>277,740.13</b>	<b>137,061.45</b>	<b>60,329.42</b>	<b>73,030.06</b>	<b>255,801.85</b>	<b>45,304.05</b>	<b>36,522.63</b>
103,344.89	49,414.39	15,281.14	16,280.70	69,983.75	10,037.50	9,901.95
7,193.17	3,646.26	1,767.75	1,240.00	3,720.05	650.00	741.00
1,335.84	1,109.17	88.95	203.21	3,161.13	211.36	44.81
<b>111,873.90</b>	<b>54,169.82</b>	<b>17,137.84</b>	<b>17,723.91</b>	<b>76,864.93</b>	<b>10,898.86</b>	<b>10,687.76</b>
65,824.94	26,859.30	10,437.03	10,824.86	39,862.58	7,829.35	6,747.72
.....	.....	.....	.....	.....	.....	.....
10,585.10	5,300.51	1,465.16	1,276.97	7,167.68	559.60	321.53
7,295.33	5,262.73	1,080.22	1,545.66	10,655.10	566.51	841.19
6,160.29	.....	240.72	1.60	3,259.06	.....	1.16
4,456.00	2,486.00	1,105.00	1,050.00	2,935.00	456.00	648.00
.....	.....	.....	.....	.....	.....	.....
<b>94,321.66</b>	<b>39,908.54</b>	<b>14,328.13</b>	<b>14,699.09</b>	<b>63,879.42</b>	<b>9,411.46</b>	<b>8,559.60</b>
<b>17,552.24</b>	<b>14,261.28</b>	<b>2,809.71</b>	<b>3,024.82</b>	<b>12,985.51</b>	<b>1,487.40</b>	<b>2,128.16</b>
1,212	598	277	252	846	153	113

# Municipal Electrical Utilities Financial

## Southern Ontario System—Continued

Municipality.....	Dundalk	Dundas	Dunnville	Durham	Dutton
Population.....	847	9,144	4,886	1,934	814
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$
Plant and facilities at cost.....	42,612.26	476,041.89	294,041.98	99,929.81	32,896.37
Accumulated depreciation.....	8,424.35	120,001.70	76,225.22	13,648.84	13,159.25
Net fixed assets.....	34,187.91	356,040.19	217,816.76	86,280.97	19,737.12
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	15.00	32,665.79	.....	2,090.77	7,826.64
Investment in Government securities.....	6,500.00	9,000.00	20,000.00	6,000.00	5,500.00
Accounts receivable.....	620.51	3,837.50	6,037.41	523.70	353.93
Total current assets.....	7,135.51	45,503.29	26,037.41	8,614.47	13,680.57
<b>OTHER ASSETS</b>					
Inventory of stores.....	.....	15,246.69	21,569.76	918.40	.....
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	.....	36,945.87	1,182.07	.....	.....
Total other assets.....	.....	52,192.56	22,751.83	918.40	.....
Equity in Ontario Hydro systems.....	38,428.56	408,277.55	201,841.84	84,687.66	51,684.05
<b>Total.....</b>	<b>79,751.98</b>	<b>862,013.59</b>	<b>468,447.84</b>	<b>180,501.50</b>	<b>85,101.74</b>
<b>LIABILITIES</b>					
Debentures outstanding.....	.....	195,000.00	43,470.00	.....	.....
Accounts payable.....	558.02	2,967.06	15,788.49	89.23	223.15
Other.....	100.00	9,069.82	5,082.13	567.00	187.36
Total liabilities.....	658.02	207,036.88	64,340.62	656.23	410.51
<b>RESERVES</b>					
Equity in Ontario Hydro systems.....	38,428.56	408,277.55	201,841.84	84,687.66	51,684.05
Other.....	.....	1,903.23	.....	.....	26.75
Total reserves.....	38,428.56	410,180.78	201,841.84	84,687.66	51,710.80
<b>CAPITAL</b>					
Debentures redeemed.....	5,727.27	53,000.00	77,030.00	25,323.97	8,407.49
Local sinking fund.....	.....	.....	.....	.....	.....
Residual surplus.....	34,938.13	191,795.93	127,404.11	69,833.64	24,572.94
Frequency standardization expense charged this year.....	.....	.....	2,168.73	.....	.....
Total capital.....	40,665.40	244,795.93	202,265.38	95,157.61	32,980.43
<b>Total.....</b>	<b>79,751.98</b>	<b>862,013.59</b>	<b>468,447.84</b>	<b>180,501.50</b>	<b>85,101.74</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	23,182.69	249,857.31	173,820.92	57,790.15	18,563.41
Street lighting.....	1,350.50	11,941.10	9,500.16	3,165.63	1,415.52
Other.....	199.40	871.15	68.20	692.65	169.33
<b>Total revenue.....</b>	<b>24,732.59</b>	<b>262,669.56</b>	<b>183,389.28</b>	<b>61,648.43</b>	<b>20,148.26</b>
<b>EXPENSE</b>					
Power—purchased.....	17,871.67	172,001.84	123,210.05	35,377.47	13,377.46
—generated.....	.....	.....	.....	.....	.....
Operation and maintenance (excluding generation).....	3,004.63	33,464.91	18,113.46	10,208.98	815.76
Administration.....	2,344.59	16,543.02	8,575.77	5,807.75	1,353.48
Fixed charges—interest and principal.....	1.89	4,301.26	2,840.40	.....	12.32
—depreciation.....	1,128.00	12,636.00	8,145.00	2,391.00	699.00
—other.....	.....	.....	.....	.....	.....
<b>Total expense.....</b>	<b>24,350.78</b>	<b>238,947.03</b>	<b>160,884.68</b>	<b>53,785.20</b>	<b>16,258.02</b>
<b>Surplus or deficit.....</b>	<b>381.81</b>	<b>23,722.53</b>	<b>22,504.60</b>	<b>7,863.23</b>	<b>3,890.24</b>
Number of customers.....	383	2,960	1,768	749	345

## Statements for the Year Ended December 31, 1955

East York Twp. 69,252	Eganville 1,520	Elmira 2,733	Elmvale 881	Elmwood (V.A.)	Elora 1,460	Embro 482
\$ 2,935,897.57 346,914.45	\$ 129,738.78 25,567.42	\$ 271,246.09 50,003.69	\$ 58,983.28 11,620.96	\$ 20,134.17 4,673.20	\$ 80,848.27 23,548.11	\$ 33,428.26 10,409.96
2,588,983.12	104,171.36	221,242.40	47,362.32	15,460.97	57,300.16	23,018.30
225,225.06	14,864.21	8,407.71	7,646.54	4,484.28	1,048.35	4,059.87
100,000.00	5,000.00	.....	1,500.00	5,200.00	2,000.00	6,500.00
121,663.69	435.74	607.31	474.80	49.34	7,494.89	150.83
446,888.75	20,299.95	9,015.02	9,621.34	9,733.62	10,543.24	10,710.70
26,273.32	2,552.86	407.23	.....	.....	171.53	.....
150.00	.....	2,079.89	200.00	.....	2,478.19	75.25
26,423.32	2,552.86	2,487.12	200.00	.....	2,649.72	75.25
1,191,866.43	1,124.35	226,399.12	40,823.14	13,627.78	99,968.46	31,217.08
<b>4,254,161.62</b>	<b>128,148.52</b>	<b>459,143.66</b>	<b>98,006.80</b>	<b>38,822.37</b>	<b>170,461.58</b>	<b>65,021.33</b>
781,017.46	67,754.96	.....	.....	.....	7,000.00	.....
137,923.43	374.25	11,908.80	1,105.28	134.32	298.27	119.31
21,492.57	.....	1,462.05	.....	75.00	575.00	65.38
940,433.46	68,129.21	13,370.85	1,105.28	209.32	7,873.27	184.69
1,191,866.43	1,124.35	226,399.12	40,823.14	13,627.78	99,968.46	31,217.08
34,449.05	.....	.....	125.87	.....	49.81	.....
1,226,315.48	1,124.35	226,399.12	40,949.01	13,627.78	100,018.27	31,217.08
502,763.36	32,245.04	37,168.50	6,544.07	6,106.38	13,000.00	7,500.00
1,584,649.32	26,649.92	196,929.44	49,408.44	18,878.89	49,570.04	26,119.56
.....	.....	14,724.25	.....	.....	.....	.....
2,087,412.68	58,894.96	219,373.69	55,952.51	24,985.27	62,570.04	33,619.56
<b>4,254,161.62</b>	<b>128,148.52</b>	<b>459,143.66</b>	<b>98,006.80</b>	<b>38,822.37</b>	<b>170,461.58</b>	<b>65,021.33</b>
1,643,765.22	39,082.89	132,859.51	26,537.21	8,128.62	42,483.02	16,629.70
68,652.13	2,078.16	4,376.50	1,498.50	877.00	2,561.04	684.00
2,995.86	159.67	3,385.56	126.28	265.33	370.58	196.93
<b>1,715,413.21</b>	<b>41,320.72</b>	<b>140,621.57</b>	<b>28,161.99</b>	<b>9,270.95</b>	<b>45,414.64</b>	<b>17,510.63</b>
1,085,024.30	7,555.96	103,714.57	15,822.66	5,683.42	30,773.62	11,735.94
.....	8,287.73	.....	.....	.....	.....	.....
126,852.92	2,527.02	10,379.20	2,455.18	592.30	5,460.21	2,000.02
112,643.44	6,148.15	7,646.20	1,616.12	1,009.39	2,785.10	1,700.89
72,733.90	7,035.33	466.16	1.84	.....	25.17	4.88
67,102.00	3,210.00	7,055.00	1,552.00	549.00	2,367.00	1,034.00
.....	.....	.....	75.00	.....	.....	.....
<b>1,464,356.56</b>	<b>34,764.19</b>	<b>129,261.13</b>	<b>21,522.80</b>	<b>7,834.11</b>	<b>41,411.10</b>	<b>16,475.73</b>
<b>251,056.65</b>	<b>6,556.53</b>	<b>11,360.44</b>	<b>6,639.19</b>	<b>1,436.84</b>	<b>4,003.54</b>	<b>1,034.90</b>
20,106	490	1,018	370	126	526	221

## Municipal Electrical Utilities Financial

## Southern Ontario System—Continued

Municipality.....	Erieau	Erie Beach	Erin	Essex	Etobicoke Twp.
Population.....	450	63	860	3,217	93,997
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Plant and facilities at cost.....	61,281.88	10,485.88	39,681.46	176,605.96	6,951,183.64
Accumulated depreciation.....	6,255.65	1,217.32	3,022.78	47,907.88	476,398.82
Net fixed assets.....	55,026.23	9,268.56	36,658.68	128,698.08	6,474,784.82
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	2,461.68	2,992.18	3,622.61	9,513.80	1,038,142.59
Investment in Government securities.....					37,000.00
Accounts receivable.....	309.01	105.97	565.37	942.23	128,565.24
Total current assets.....	2,770.69	3,098.15	4,187.98	10,456.03	1,203,707.83
<b>OTHER ASSETS</b>					
Inventory of stores.....				7,815.96	84,155.13
Sinking fund on local debentures.....					
Miscellaneous.....	782.65			10,663.17	4,043.00
Total other assets.....	782.65			18,479.13	88,198.13
Equity in Ontario Hydro systems.....	24,668.55	4,810.04	4,360.92	102,360.30	1,271,410.06
<b>Total.....</b>	<b>83,248.12</b>	<b>17,176.75</b>	<b>45,207.58</b>	<b>259,993.54</b>	<b>9,038,100.84</b>
<b>LIABILITIES</b>					
Debentures outstanding.....			7,975.00	13,800.00	5,273,382.45
Accounts payable.....	4,000.00	8.00	9.85	259.88	649.01
Other.....	195.00	195.00	370.00	980.00	86,714.45
Total liabilities.....	4,195.00	203.00	8,354.85	15,039.88	5,360,745.91
<b>RESERVES</b>					
Equity in Ontario Hydro systems....	24,668.55	4,810.04	4,360.92	102,360.30	1,271,410.06
Other.....	19.23	18.90	14.26	1,154.68	149,548.31
Total reserves.....	24,687.78	4,828.94	4,375.18	103,514.98	1,420,958.37
<b>CAPITAL</b>					
Debentures redeemed.....	6,883.13	3,300.00	6,525.00	23,700.00	695,095.40
Local sinking fund.....					
Residual surplus.....	47,482.21	8,844.81	25,952.55	117,738.68	1,561,301.16
Frequency standardization expense charged this year.....					
Total capital.....	54,365.34	12,144.81	32,477.55	141,438.68	2,256,396.56
<b>Total.....</b>	<b>83,248.12</b>	<b>17,176.75</b>	<b>45,207.58</b>	<b>259,993.54</b>	<b>9,038,100.84</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	20,689.62	3,840.32	21,534.65	82,564.08	3,230,778.40
Street lighting.....	976.00	252.00	1,363.00	4,014.88	75,236.54
Other.....	131.48	.82	98.07	1,367.01	14,206.96
<b>Total revenue.....</b>	<b>21,797.10</b>	<b>4,093.14</b>	<b>22,995.72</b>	<b>87,945.97</b>	<b>3,320,221.90</b>
<b>EXPENSE</b>					
Power—purchased.....	13,452.45	1,710.52	12,977.01	53,155.90	1,971,558.38
—generated.....					
Operation and maintenance (exclud- ing generation).....	2,603.92	478.22	2,586.31	8,656.35	180,130.06
Administration.....	2,016.87	632.42	1,715.42	8,756.11	171,653.73
Fixed charges—interest and principal	209.10		1,063.36	2,045.55	343,519.09
—depreciation.....	1,425.00	246.00	847.00	5,029.00	133,637.00
—other.....					5,000.00
<b>Total expense.....</b>	<b>19,707.34</b>	<b>3,067.16</b>	<b>19,189.10</b>	<b>77,642.91</b>	<b>2,805,498.26</b>
<b>Surplus or deficit.....</b>	<b>2,089.76</b>	<b>1,025.98</b>	<b>3,806.62</b>	<b>10,303.06</b>	<b>514,723.64</b>
Number of customers.....	305	128	344	1,086	31,527

## Statements for the Year Ended December 31, 1955

Exeter	Fergus	Finch	Flesherton	Fonthill	Forest	Forest Hill
2,708	3,521	387	472	1,788	1,863	18,880
\$ 158,708.37 42,322.47	\$ 189,325.21 35,176.67	\$ 29,339.30 5,304.02	\$ 31,297.15 7,019.97	\$ 96,594.01 13,278.89	\$ 100,504.54 32,926.45	\$ 1,203,802.90 311,680.18
116,385.90	154,148.54	24,035.28	24,277.18	83,315.12	67,578.09	892,122.72
14,613.23	23,796.74	3,770.32	4,397.16	12,579.79	8,592.25	35.00
.....	.....	10,000.00	11,000.00	.....	36,500.00	74,000.00
1,248.52	2,490.11	558.17	42.39	665.73	342.39	2,510.76
15,861.75	26,286.85	14,328.49	15,439.55	13,245.52	45,434.64	76,545.76
2,600.06	392.49	.....	.....	3.50	2,968.16	24,645.10
.....	.....	.....	.....	.....	.....	.....
865.27	22,440.77	.....	7.00	57.00	128.93	1,631.24
3,465.33	22,833.26	.....	7.00	60.50	3,097.09	26,276.34
133,950.28	205,474.05	15,119.17	18,263.31	29,283.73	105,071.71	671,348.38
<b>269,663.26</b>	<b>408,742.70</b>	<b>53,482.94</b>	<b>57,987.04</b>	<b>125,904.87</b>	<b>221,181.53</b>	<b>1,666,293.20</b>
.....	33,000.00	.....	.....	32,200.00	.....	47,234.53
3.82	617.38	823.35	500.69	.....	1,155.17	39,319.65
1,946.07	1,469.96	151.04	163.00	1,234.30	336.36	30,649.05
1,949.89	35,087.34	974.39	663.69	33,434.30	1,491.53	117,203.23
133,950.28	205,474.05	15,119.17	18,263.31	29,283.73	105,071.71	671,348.38
213.19	553.40	.....	.....	.....	.....	14,833.80
134,163.47	206,027.45	15,119.17	18,263.31	29,283.73	105,071.71	686,182.18
20,000.05	42,000.00	7,000.00	5,830.88	29,300.00	23,357.13	315,547.07
.....	.....	.....	.....	.....	.....	.....
113,549.85	125,627.91	30,389.38	33,229.16	33,886.84	91,566.68	650,852.71
.....	.....	.....	.....	.....	305.52	103,491.99
133,549.90	167,627.91	37,389.38	39,060.04	63,186.84	114,618.29	862,907.79
<b>269,663.26</b>	<b>408,742.70</b>	<b>53,482.94</b>	<b>57,987.04</b>	<b>125,904.87</b>	<b>221,181.53</b>	<b>1,666,293.20</b>
96,838.59	140,228.16	9,824.73	12,871.74	45,601.40	63,287.84	636,439.38
5,090.64	6,255.32	1,000.00	1,034.50	3,337.36	3,412.78	17,321.97
792.41	606.49	377.20	373.33	.....	1,149.77	8,240.68
<b>102,721.64</b>	<b>147,089.97</b>	<b>11,201.93</b>	<b>14,279.57</b>	<b>48,938.76</b>	<b>67,850.39</b>	<b>662,002.03</b>
67,208.42	103,891.79	6,400.10	9,627.76	30,593.48	43,950.01	388,907.01
.....	.....	.....	.....	.....	.....	.....
8,645.03	10,875.45	600.12	1,580.52	2,996.77	7,726.67	49,778.20
8,440.07	6,767.25	947.77	744.88	3,187.52	6,193.45	48,861.71
.91	494.37	.....	.....	4,530.25	.....	21,176.96
4,545.00	4,777.00	753.00	858.00	2,258.00	1,840.00	33,544.00
153.29	.....	.....	.....	.....	.....	200.00
<b>88,992.72</b>	<b>126,805.86</b>	<b>8,700.99</b>	<b>12,811.16</b>	<b>43,566.02</b>	<b>59,710.13</b>	<b>542,467.88</b>
<b>13,728.92</b>	<b>20,284.11</b>	<b>2,500.94</b>	<b>1,468.41</b>	<b>5,372.74</b>	<b>8,140.26</b>	<b>119,534.15</b>
1,082	1,212	169	219	603	826	6,590

## Municipal Electrical Utilities Financial

## Southern Ontario System—Continued

Municipality	Frankford	Galt	Georgetown	Glencoe	Goderich
Population	1,560	22,764	5,004	1,062	5,960
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$
Plant and facilities at cost	60,406.75	1,958,395.10	350,764.37	76,246.91	473,300.74
Accumulated depreciation	7,235.78	604,808.39	59,434.38	20,307.99	117,967.85
Net fixed assets	53,170.97	1,353,586.71	291,329.99	55,938.92	355,332.89
<b>CURRENT ASSETS</b>					
Cash on hand and in bank	13,123.65	23,106.74	1,121.54	10,685.02	61,553.97
Investment in Government securities			4,000.00	10,100.00	36,000.00
Accounts receivable	740.52	15,241.41	1,556.47	1,093.41	6,486.77
Total current assets	13,864.17	38,348.15	6,678.01	21,878.43	104,040.74
<b>OTHER ASSETS</b>					
Inventory of stores		86,288.02	55,990.78	990.73	4,328.43
Sinking fund on local debentures					
Miscellaneous	588.00	155,313.28	27,904.46	119.45	761.10
Total other assets	588.00	241,601.30	83,895.24	1,110.18	5,089.53
Equity in Ontario Hydro systems	6,544.42	1,609,385.95	317,462.61	54,897.21	350,379.05
<b>Total</b>	<b>74,167.56</b>	<b>3,242,922.11</b>	<b>699,365.85</b>	<b>133,824.74</b>	<b>814,842.21</b>
<b>LIABILITIES</b>					
Debentures outstanding	8,000.00	245,500.00	106,673.32		107,500.00
Accounts payable	1,096.07	1,349.40	54,355.11	651.40	502.71
Other	719.00	16,672.58	7,717.30	455.00	7,775.36
Total liabilities	9,815.07	263,521.98	168,745.73	1,106.40	115,778.07
<b>RESERVES</b>					
Equity in Ontario Hydro systems	6,544.42	1,609,385.95	317,462.61	54,897.21	350,379.05
Other		28,315.71	985.56	308.10	514.86
Total reserves	6,544.42	1,637,701.66	318,448.17	55,205.31	350,893.91
<b>CAPITAL</b>					
Debentures redeemed	12,000.00	572,501.95	23,326.68	20,112.88	113,588.05
Local sinking fund					
Residual surplus	45,808.07	769,196.52	188,845.27	57,400.15	234,893.26
Frequency standardization expense charged this year					311.08
Total capital	57,808.07	1,341,698.47	212,171.95	77,513.03	348,170.23
<b>Total</b>	<b>74,167.56</b>	<b>3,242,922.11</b>	<b>699,365.85</b>	<b>133,824.74</b>	<b>814,842.21</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power	26,257.54	912,491.62	227,515.77	25,073.68	247,993.67
Street lighting	1,812.69	39,330.45	5,693.53	2,709.46	11,321.16
Other	113.50	7,161.68	1,057.14	900.72	1,477.74
<b>Total revenue</b>	<b>28,183.73</b>	<b>958,983.75</b>	<b>234,266.44</b>	<b>28,683.86</b>	<b>260,792.57</b>
<b>EXPENSE</b>					
Power—purchased	16,424.41	626,360.54	167,726.82	15,567.80	156,463.50
—generated					
Operation and maintenance (excluding generation)	1,817.85	79,642.08	14,853.65	2,158.42	20,711.13
Administration	2,618.38	44,155.93	10,470.34	5,064.73	16,533.52
Fixed charges—interest and principal	2,309.05	34,315.31	8,849.19		8,994.48
—depreciation	1,410.00	60,832.00	7,411.00	2,203.00	13,098.00
—other		641.28			
<b>Total expense</b>	<b>24,579.69</b>	<b>845,947.14</b>	<b>209,311.00</b>	<b>24,993.95</b>	<b>215,800.63</b>
<b>Surplus or deficit</b>	<b>3,604.04</b>	<b>113,036.61</b>	<b>24,955.44</b>	<b>3,689.91</b>	<b>44,991.94</b>
Number of customers	524	7,581	2,007	445	2,160

## Statements for the Year Ended December 31, 1955

Grand Bend	Grand Valley	Granton	Gravenhurst	Grimsby	Guelph	Hagersville
734	666	258	2,957	3,452	32,357	1,920
\$	\$	\$	\$	\$	\$	\$
103,849.55	36,226.64	13,109.97	168,888.20	161,483.88	1,928,110.00	86,406.73
18,563.43	12,813.19	2,014.86	41,848.53	24,699.87	457,609.30	27,029.97
85,286.12	23,413.45	11,095.11	127,039.67	136,784.01	1,470,500.70	59,376.76
6,783.42	3,120.12	2,259.05	23,639.37	140.59	104,390.82	15,613.26
.....	8,000.00	.....	20,000.00	17,000.00	.....	35,000.00
1,249.62	284.85	48.54	1,386.48	478.39	12,189.46	566.32
8,033.04	11,404.97	2,307.59	45,025.85	17,618.98	116,580.28	51,179.58
.....	.....	.....	4,049.02	18.40	66,938.14	38.40
.....	.....	.....	.....	.....	.....	.....
10.00	.....	850.44	100.96	2,014.00	159,246.67	47.62
10.00	.....	850.44	4,149.98	2,032.40	226,184.81	86.02
1,572.07	35,531.95	19,644.45	119,852.16	52,904.96	1,867,369.89	199,427.95
<b>94,901.23</b>	<b>70,350.37</b>	<b>33,897.59</b>	<b>296,067.66</b>	<b>209,340.35</b>	<b>3,680,635.68</b>	<b>310,070.31</b>
82,429.38	.....	2,040.37	.....	.....	537,000.00	.....
216.67	22.25	356.67	41.10	1,007.23	76,165.47	271.27
35.00	.....	20.00	1,575.19	3,433.76	21,256.40	1,005.00
82,681.05	22.25	2,417.04	1,616.29	4,440.99	634,421.87	1,276.27
1,572.07	35,531.95	19,644.45	119,852.16	52,904.96	1,867,369.89	199,427.95
3,470.56	.....	57.80	421.00	.....	31,066.46	.....
5,042.63	35,531.95	19,702.25	120,273.16	52,904.96	1,898,436.35	199,427.95
2,570.62	10,794.30	4,603.21	44,278.97	85,344.00	208,000.00	8,000.00
4,606.93	24,001.87	7,175.09	129,899.24	66,650.40	939,777.46	101,366.09
.....	.....	.....	.....	.....	.....	.....
7,177.55	34,796.17	11,778.30	174,178.21	151,994.40	1,147,777.46	109,366.09
<b>94,901.23</b>	<b>70,350.37</b>	<b>33,897.59</b>	<b>296,067.66</b>	<b>209,340.35</b>	<b>3,680,635.68</b>	<b>310,070.31</b>
47,067.70	19,838.23	6,189.38	107,953.34	99,860.02	1,092,319.40	82,388.80
1,762.50	1,157.00	450.00	4,322.25	5,135.96	42,223.83	3,021.96
4.77	248.36	6.21	750.33	500.88	4,402.30	2,150.45
<b>48,834.97</b>	<b>21,243.59</b>	<b>6,645.59</b>	<b>113,025.92</b>	<b>105,496.86</b>	<b>1,138,945.53</b>	<b>87,561.21</b>
25,164.26	16,017.62	4,157.57	72,941.45	78,181.98	791,012.49	63,452.83
.....	.....	.....	.....	.....	.....	.....
3,013.54	1,125.72	922.09	6,942.99	3,986.17	97,591.57	8,143.27
5,873.43	1,303.29	963.03	6,633.67	5,853.77	49,539.57	4,697.24
6,820.62	.....	307.50	.....	.....	34,732.89	7.39
2,736.00	733.00	318.00	4,876.00	3,953.00	53,558.00	1,601.00
60.25	.....	.....	.....	.....	.....	.....
<b>43,668.10</b>	<b>19,179.63</b>	<b>6,668.19</b>	<b>91,394.11</b>	<b>91,974.92</b>	<b>1,026,434.52</b>	<b>77,901.73</b>
<b>5,166.87</b>	<b>2,063.96</b>	<b>22.60</b>	<b>21,631.81</b>	<b>13,521.94</b>	<b>112,511.01</b>	<b>9,659.48</b>
743	308	116	1,239	1,324	10,153	716

# Municipal Electrical Utilities Financial

## Southern Ontario System—Continued

Municipality.....	Hamilton	Hanover	Harriston	Harrow
Population.....	223,525	4,009	1,600	1,829
<b>A. BALANCE SHEETS</b>				
<b>FIXED ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Plant and facilities at cost.....	16,925,120.36	219,101.65	112,295.05	120,522.43
Accumulated depreciation.....	2,068,068.16	86,875.64	21,826.70	31,243.47
Net fixed assets.....	14,857,052.20	132,226.01	90,468.35	89,278.96
<b>CURRENT ASSETS</b>				
Cash on hand and in bank.....	384,276.91	24,532.91	12,777.17	11,796.95
Investment in Government securities.....		107,000.00		5,000.00
Accounts receivable.....	1,141,831.87	1,158.35	588.36	1,280.64
Total current assets.....	1,526,108.78	132,691.26	13,365.53	18,077.59
<b>OTHER ASSETS</b>				
Inventory of stores.....	761,437.79	512.43		3,884.82
Sinking fund on local debentures.....				
Miscellaneous.....	429,299.49	828.86	630.30	4,329.72
Total other assets.....	1,190,737.28	1,341.29	630.30	8,214.54
Equity in Ontario Hydro systems.....	17,823,625.89	234,050.59	99,833.29	88,432.94
<b>Total.....</b>	<b>35,397,524.15</b>	<b>500,309.15</b>	<b>204,297.47</b>	<b>204,004.03</b>
<b>LIABILITIES</b>				
Debentures outstanding.....	1,402,000.00		4,600.00	
Accounts payable.....	891,543.01	236.09	3,799.84	5,752.83
Other.....	66,515.15	1,762.53	837.26	1,030.00
Total liabilities.....	2,360,058.16	1,998.62	9,237.10	6,782.83
<b>RESERVES</b>				
Equity in Ontario Hydro systems....	17,823,625.89	234,050.59	99,833.29	88,423.94
Other.....	226,259.86		393.75	3.21
Total reserves.....	18,049,885.75	234,050.59	100,227.04	88,436.15
<b>CAPITAL</b>				
Debentures redeemed.....	6,283,275.19	80,162.29	26,218.03	12,000.00
Local sinking fund.....				
Residual surplus.....	9,020,819.28	184,097.65	68,615.30	96,785.05
Frequency standardization expense charged this year.....	316,514.23			
Total capital.....	14,987,580.24	264,259.94	94,833.33	108,785.05
<b>Total.....</b>	<b>35,397,524.15</b>	<b>500,309.15</b>	<b>204,297.47</b>	<b>204,004.03</b>
<b>B. OPERATING STATEMENTS</b>				
<b>REVENUE</b>				
Domestic, commercial, power.....	10,782,035.75	119,593.69	65,663.45	68,299.07
Street lighting.....	311,563.02	4,079.51	2,531.75	2,519.88
Other.....	74,805.43	4,293.18	96.72	1,160.40
<b>Total revenue.....</b>	<b>11,168,404.20</b>	<b>127,966.38</b>	<b>68,291.92</b>	<b>71,979.35</b>
<b>EXPENSE</b>				
Power—purchased.....	8,196,450.79	95,031.72	42,610.77	43,945.72
—generated.....				
Operation and maintenance (excluding generation).....	719,830.92	9,087.40	4,813.27	4,958.47
Administration.....	569,566.84	8,585.68	5,273.44	8,501.94
Fixed charges—interest and principal.....	114,215.00		637.55	60.52
—depreciation.....	320,957.87	4,597.00	2,778.00	3,348.00
—other.....				
<b>Total expense.....</b>	<b>9,921,021.42</b>	<b>117,301.80</b>	<b>56,113.03</b>	<b>60,814.65</b>
<b>Surplus or deficit.....</b>	<b>1,247,382.78</b>	<b>10,664.58</b>	<b>12,178.89</b>	<b>11,164.70</b>
Number of customers.....	69,521	1,378	631	639

## Statements for the Year Ended December 31, 1955

Hastings	Havelock	Hawkesbury	Hensall	Hespeler	Highgate	Holstein
825	1,273	7,938	798	3,895	389	187
\$ 54,697.82 16,165.77	\$ 69,546.83 13,834.85	\$ 341,918.76 58,159.27	\$ 78,435.30 17,698.97	\$ 285,054.28 18,366.00	\$ 22,708.67 8,406.75	\$ 10,959.98 2,227.00
38,532.05	55,711.98	283,759.49	60,736.33	266,688.28	14,301.92	8,732.98
3,874.03	6,018.94	20,244.71	3,485.23	25,442.93	2,435.18	2,684.64
7,000.00	18,000.00	.....	2,000.00	.....	3,000.00	1,000.00
146.70	2,592.34	6,678.66	1,267.07	27,837.40	63.55	4.90
11,020.73	26,611.28	26,923.37	6,752.30	53,280.33	5,498.73	3,689.54
.....	.....	6,541.82	.....	1,018.27	.....	.....
.....	.....	.....	.....	.....	.....	.....
.....	500.00	2,149.15	50.00	25,821.78	.....	.....
.....	500.00	8,690.97	50.00	26,840.05	.....	.....
16,147.56	34,854.12	1,375.32	49,100.51	367,576.30	24,705.94	7,336.26
<b>65,700.34</b>	<b>117,677.38</b>	<b>320,749.15</b>	<b>116,639.14</b>	<b>714,384.96</b>	<b>44,506.59</b>	<b>19,758.78</b>
.....	24,000.00	255,000.00	.....	.....	.....	.....
530.64	160.90	8,886.64	958.63	3,576.86	.....	.....
703.73	320.00	1,175.00	175.00	2,270.00	114.00	42.60
1,234.37	24,480.90	265,061.64	1,133.63	5,846.86	114.00	42.60
16,147.56	34,854.12	1,375.32	49,100.51	367,576.30	24,705.94	7,336.26
.....	.....	.....	147.53	60.00	.....	.....
16,147.56	34,854.12	1,375.32	49,248.04	367,636.30	24,705.94	7,336.26
21,000.00	38,900.00	30,000.00	12,000.00	77,570.51	5,000.00	2,762.05
27,318.41	19,442.36	24,312.19	54,257.47	263,331.29	14,686.65	9,617.87
.....	.....	.....	.....	.....	.....	.....
48,318.41	58,342.36	54,312.19	66,257.47	340,901.80	19,686.65	12,379.92
<b>65,700.34</b>	<b>117,677.38</b>	<b>320,749.15</b>	<b>116,639.14</b>	<b>714,384.96</b>	<b>44,506.59</b>	<b>19,758.78</b>
20,298.01	25,096.42	150,893.05	34,064.41	227,472.54	9,559.09	4,135.79
1,813.66	2,306.88	6,803.25	1,138.00	8,890.50	760.08	360.00
285.64	846.81	455.79	84.48	2,746.83	160.42	31.65
<b>22,397.31</b>	<b>28,250.11</b>	<b>158,152.09</b>	<b>35,286.89</b>	<b>239,109.87</b>	<b>10,479.59</b>	<b>4,527.44</b>
11,128.33	13,561.73	58,881.56	23,377.55	189,781.39	7,424.87	3,075.86
.....	.....	.....	.....	.....	.....	.....
2,188.95	2,839.27	11,622.40	1,226.91	13,454.93	1,109.12	406.53
3,456.93	3,883.08	21,818.27	1,196.33	8,261.63	673.53	524.55
1.95	2,392.50	22,325.00	.....	.....	.....	.....
1,655.00	1,857.00	8,218.00	2,134.00	6,907.00	454.00	291.00
.....	.....	.....	147.53	.....	.....	.....
<b>18,431.16</b>	<b>24,533.58</b>	<b>122,865.23</b>	<b>28,082.32</b>	<b>218,404.95</b>	<b>9,661.52</b>	<b>4,297.94</b>
<b>3,966.15</b>	<b>3,716.53</b>	<b>35,286.86</b>	<b>7,204.57</b>	<b>20,704.92</b>	<b>818.07</b>	<b>229.50</b>
421	431	1,996	337	1,244	160	93

# Municipal Electrical Utilities Financial

## Southern Ontario System—Continued

Municipality.....	Huntsville	Ingersoll	Iroquois	Jarvis	Kemptville
Population.....	3,170	6,747	1,175	656	1,656
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Plant and facilities at cost.....	143,227.89	423,059.90	35,063.66	49,441.84	83,697.35
Accumulated depreciation.....	26,500.34	73,333.95	8,323.84	11,058.15	19,462.78
Net fixed assets.....	116,727.55	349,725.95	26,739.82	38,383.69	64,234.57
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	20,004.00	4,643.54	7,266.39	6,176.05	9,912.40
Investment in Government securities.....			11,000.00		12,000.00
Accounts receivable.....	4,198.61	4,479.93	2,704.02	195.04	3,088.50
Total current assets.....	24,202.61	9,123.47	20,970.41	6,371.09	25,000.90
<b>OTHER ASSETS</b>					
Inventory of stores.....	7,625.78	10,448.17	910.72		10,264.22
Sinking fund on local debentures.....					
Miscellaneous.....	6,059.47	1,941.69	413.48		
Total other assets.....	13,685.25	12,389.86	1,324.20		10,264.22
Equity in Ontario Hydro systems.....	187,283.30	515,935.92	18,154.69	40,485.94	68,258.07
<b>Total.....</b>	<b>341,898.71</b>	<b>887,175.20</b>	<b>67,189.12</b>	<b>85,240.72</b>	<b>167,757.76</b>
<b>LIABILITIES</b>					
Debentures outstanding.....		68,843.13			
Accounts payable.....	23.00	655.69	264.54	174.03	346.10
Other.....	1,464.30	5,312.35	1,282.46		595.48
Total liabilities.....	1,487.30	74,811.17	1,547.00	174.03	941.58
<b>RESERVES</b>					
Equity in Ontario Hydro systems.....	187,283.30	515,935.92	18,154.69	40,485.94	68,258.07
Other.....	129.14	127.23	5,090.00		829.20
Total reserves.....	187,412.44	516,063.15	23,244.69	40,485.94	69,087.27
<b>CAPITAL</b>					
Debentures redeemed.....	15,697.39	90,956.87		10,500.00	19,506.62
Local sinking fund.....					
Residual surplus.....	137,301.58	205,344.01	42,397.43	34,080.75	78,222.29
Frequency standardization expense charged this year.....					
Total capital.....	152,998.97	296,300.88	42,397.43	44,580.75	97,728.91
<b>Total.....</b>	<b>341,898.71</b>	<b>887,175.20</b>	<b>67,189.12</b>	<b>85,240.72</b>	<b>167,757.76</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	117,367.53	246,508.83	30,953.73	15,175.25	57,328.38
Street lighting.....	6,428.00	8,713.80	1,948.00	858.00	2,233.00
Other.....	140.76	1,921.02	627.96	8.76	690.75
<b>Total revenue.....</b>	<b>123,936.29</b>	<b>257,143.65</b>	<b>33,529.69</b>	<b>16,042.01</b>	<b>60,252.13</b>
<b>EXPENSE</b>					
Power—purchased.....	84,968.34	178,028.08	21,938.01	11,499.20	41,403.32
—generated.....					
Operation and maintenance (excluding generation).....	11,662.28	24,656.87	2,959.75	484.52	6,525.36
Administration.....	9,129.07	23,690.07	4,577.26	1,243.47	3,900.96
Fixed charges—interest and principal.....		6,025.36		.94	5.34
—depreciation.....	3,726.00	10,386.00	989.00	1,363.00	2,331.00
—other.....		107.15			
<b>Total expense.....</b>	<b>109,485.69</b>	<b>242,893.53</b>	<b>30,464.02</b>	<b>14,591.13</b>	<b>54,165.98</b>
<b>Surplus or deficit.....</b>	<b>14,450.60</b>	<b>14,250.12</b>	<b>3,065.67</b>	<b>1,450.88</b>	<b>6,086.15</b>
Number of customers.....	1,161	2,247	442	253	658

## Statements for the Year Ended December 31, 1955

Kincardine	Kingston	Kingsville	Kirkfield	Kitchener	Lakefield	Lambeth
2,643	44,752	2,922	226	57,138	1,901	1,510
\$ 172,944.93 39,042.24	\$ 3,000,816.61 885,744.20	\$ 159,662.79 42,521.74	\$ 13,742.97 4,413.85	\$ 5,628,960.94 897,677.56	\$ 101,345.27 27,077.34	\$ 65,937.15 12,465.51
133,902.69	2,115,072.41	117,141.05	9,329.12	4,731,283.38	74,267.93	53,471.64
10,636.56	121,395.15	18,224.65	2,549.22	20,287.22	20,331.81	4,021.15
32,000.00	180,000.00	8,500.00	3,000.00	.....	50,000.00	.....
1,008.34	122,967.44	3,500.95	773.65	256,256.64	817.07	2,303.66
43,644.90	424,362.59	30,225.60	6,322.87	276,543.86	71,148.88	6,324.81
237.74	128,994.85	1,894.35	.....	188,757.88	4,792.64	.....
22.00	91,140.86	17,723.74	60.00	345,035.31	.....	.....
259.74	220,135.71	19,618.09	60.00	533,793.19	4,792.64	.....
134,578.17	919,028.47	123,887.97	8,468.12	3,861,732.44	51,968.05	32,298.23
<b>312,385.50</b>	<b>3,678,599.18</b>	<b>290,872.71</b>	<b>24,180.11</b>	<b>9,403,352.87</b>	<b>202,177.50</b>	<b>92,094.68</b>
.....	.....	.....	.....	1,264,700.00	.....	20,824.99
28.14	188,786.01	6,225.60	18.73	195,751.47	574.12	88.60
704.32	52,657.88	3,124.75	6.00	24,619.27	644.53	824.50
732.46	241,443.89	9,350.35	24.73	1,485,070.74	1,218.65	21,738.09
134,578.17	919,028.47	123,887.97	8,468.12	3,861,732.44	51,968.05	32,298.23
39.62	105,672.08	388.66	200.00	143,960.56	.....	25.03
134,617.79	1,024,700.55	124,276.63	8,668.12	4,005,693.00	51,968.05	32,323.26
60,000.00	274,339.08	33,500.00	5,765.89	1,072,450.00	33,500.00	11,675.01
117,035.25	2,138,115.66	123,972.67	9,721.37	2,840,139.13	115,490.80	26,358.32
.....	.....	226.94	.....	.....	.....	.....
177,035.25	2,412,454.74	157,245.73	15,487.26	3,912,589.13	148,990.80	38,033.33
<b>312,385.50</b>	<b>3,678,599.18</b>	<b>290,872.71</b>	<b>24,180.11</b>	<b>9,403,352.87</b>	<b>202,177.50</b>	<b>92,094.68</b>
89,428.83	1,432,602.73	101,141.69	4,677.71	2,566,802.98	69,813.58	37,689.62
4,922.04	40,395.10	3,879.66	419.00	111,612.54	2,553.35	1,783.00
1,441.29	10,547.06	824.46	96.32	7,723.84	1,467.14	13.29
<b>95,792.16</b>	<b>1,483,544.89</b>	<b>105,845.81</b>	<b>5,193.03</b>	<b>2,686,139.36</b>	<b>73,834.07</b>	<b>39,485.91</b>
67,527.06	884,206.71	58,899.71	2,518.07	1,564,847.01	33,905.50	25,584.87
9,224.33	120,799.52	9,324.44	697.74	292,782.35	4,999.94	2,099.70
6,736.82	163,784.78	7,753.79	501.56	143,847.94	6,763.14	3,737.76
13.13	.....	6.65	.....	163,513.58	.....	2,698.16
4,805.00	87,362.83	4,447.00	433.00	117,615.00	2,933.00	1,776.00
.....	3,087.60	.....	.....	.....	.....	25.03
88,306.34	1,259,241.44	80,431.59	4,150.37	2,282,605.88	48,601.58	35,921.52
7,485.82	224,303.45	25,414.22	1,042.66	403,533.48	25,232.49	3,564.39
1,088	13,788	1,155	101	18,166	663	474

## Municipal Electrical Utilities Financial

### Southern Ontario System—Continued

Municipality.....	Lanark	Lancaster	La Salle	Leamington	Lindsay
Population.....	935	552	2,421	8,109	10,114
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Plant and facilities at cost.....	32,919.38	20,375.26	126,316.00	377,265.26	742,879.39
Accumulated depreciation.....	4,820.15	6,535.95	24,045.58	91,821.87	150,133.66
Net fixed assets.....	28,099.23	13,839.31	102,270.42	285,443.39	592,745.73
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	2,286.19	7,231.52	3,054.95	36,230.63	28,693.17
Investment in Government securities.....	20,000.00	4,000.00		2,000.00	15,000.00
Accounts receivable.....	67.69	845.51	4,371.57	4,956.70	4,745.16
Total current assets.....	22,353.88	12,077.03	7,426.52	43,187.33	48,438.33
<b>OTHER ASSETS</b>					
Inventory of stores.....			75.00	15,564.22	15,818.04
Sinking fund on local debentures.....					
Miscellaneous.....			9,182.94	.34	
Total other assets.....			9,257.94	15,564.56	15,818.04
Equity in Ontario Hydro systems.....	19,385.00	15,908.65	51,933.51	304,300.21	381,981.56
<b>Total.....</b>	<b>69,838.11</b>	<b>41,824.99</b>	<b>170,888.39</b>	<b>648,495.49</b>	<b>1,038,983.66</b>
<b>LIABILITIES</b>					
Debentures outstanding.....				37,000.00	
Accounts payable.....			5,478.03	972.64	151,703.19
Other.....	183.65	357.86	2,200.94	6,407.65	7,017.27
Total liabilities.....	183.65	357.86	7,678.97	44,380.29	158,720.46
<b>RESERVES</b>					
Equity in Ontario Hydro systems.....	19,385.00	15,908.65	51,933.51	304,300.21	381,981.56
Other.....				3,779.50	
Total reserves.....	19,385.00	15,908.65	51,933.51	308,079.71	381,981.56
<b>CAPITAL</b>					
Debentures redeemed.....	7,316.57	8,916.82	15,500.00	48,000.00	130,000.00
Local sinking fund.....					
Residual surplus.....	42,952.89	16,641.66	95,775.91	251,235.06	368,281.64
Frequency standardization expense charged this year.....				3,199.57	
Total capital.....	50,269.46	25,558.48	111,275.91	296,035.49	498,281.64
<b>Total.....</b>	<b>69,838.11</b>	<b>41,824.99</b>	<b>170,888.39</b>	<b>648,495.49</b>	<b>1,038,983.66</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	12,326.99	8,499.86	68,556.68	245,393.72	358,652.63
Street lighting.....	687.50	624.52	1,513.08	10,545.78	9,002.05
Other.....	802.12	237.65	685.10	1,572.82	4,594.40
<b>Total revenue.....</b>	<b>13,816.61</b>	<b>9,362.03</b>	<b>70,754.86</b>	<b>257,512.32</b>	<b>372,249.08</b>
<b>EXPENSE</b>					
Power—purchased.....	8,720.48	5,427.62	36,466.25	174,376.81	199,241.75
—generated.....					
Operation and maintenance (excluding generation).....	1,781.87	720.35	4,330.90	14,315.73	44,019.34
Administration.....	1,179.30	1,113.54	5,435.06	17,120.08	43,694.47
Fixed charges—interest and principal.....			365.87	3,679.50	6,562.06
—depreciation.....	815.00	381.00	3,213.00	10,800.00	18,569.00
—other.....				104.58	
<b>Total expense.....</b>	<b>12,496.65</b>	<b>7,642.51</b>	<b>49,811.08</b>	<b>220,396.70</b>	<b>312,086.62</b>
<b>Surplus or deficit.....</b>	<b>1,319.96</b>	<b>1,719.52</b>	<b>20,943.78</b>	<b>37,115.62</b>	<b>60,162.46</b>
Number of customers.....	303	188	700	2,803	3,497

Statements for the Year Ended December 31, 1955

Listowel	London	London Twp.	Long Branch	L'Orignal	Lucan	Lucknow
3,347	97,676	26,589	9,616	1,059	893	903
\$ 278,595.40 84,265.65	\$ 7,362,389.60 2,200,410.36	\$ 113,226.80 26,291.27	\$ 339,469.41 23,933.27	\$ 52,424.42 15,426.45	\$ 56,522.43 16,161.15	\$ 74,287.20 7,669.47
194,329.75	5,161,979.24	86,935.53	315,536.14	36,997.97	40,361.28	66,617.73
41,541.18	15,746.38	11,237.52	9,189.26	9,826.42	1,012.16	7,997.83
.....	206,500.00	.....	3,000.00	.....	5,500.00	9,000.00
817.05	378,624.17	980.61	5,140.92	210.18	123.85	454.28
42,358.23	600,870.55	12,218.13	17,330.18	10,036.60	6,636.01	17,452.11
1,712.86	348,151.40	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
345.32	6,958.30	.....	.....	.....	1.00	83.00
2,058.18	355,109.70	.....	.....	.....	1.00	83.00
236,591.16	6,533,725.09	76,263.37	163,459.10	1,019.54	49,801.66	61,911.22
<b>475,337.32</b>	<b>12,651,684.58</b>	<b>175,417.03</b>	<b>496,325.42</b>	<b>48,054.11</b>	<b>96,799.95</b>	<b>146,064.06</b>
63,112.51	553,000.00	29,074.35	.....	25,000.00	.....	.....
9,225.54	360,409.03	1,911.99	14,065.04	1,650.00	3,026.01	2,123.92
1,234.05	65,385.02	1,032.62	11,189.26	600.00	.....	.....
73,572.10	978,794.05	32,018.96	25,254.30	27,250.00	3,026.01	2,123.92
236,591.16	6,533,725.09	76,263.37	163,459.10	1,019.54	49,801.66	61,911.22
2,987.38	254,581.89	935.06	1,349.30	.....	.....	485.75
239,578.54	6,788,306.98	77,198.43	164,808.40	1,019.54	49,801.66	62,396.97
50,077.38	1,678,900.00	22,925.65	40,304.60	3,000.00	11,213.62	17,614.08
.....	.....	.....	.....	.....	.....	.....
112,109.30	3,217,307.57	43,273.99	265,958.12	16,784.57	32,758.66	63,929.09
.....	11,624.02	.....	.....	.....	.....	.....
162,186.68	4,884,583.55	66,199.64	306,262.72	19,784.57	43,972.28	81,543.17
<b>475,337.32</b>	<b>12,651,684.58</b>	<b>175,417.03</b>	<b>496,325.42</b>	<b>48,054.11</b>	<b>96,799.95</b>	<b>146,064.06</b>
136,388.74	3,166,546.71	73,644.88	265,943.88	21,803.17	28,115.42	25,674.68
6,585.48	131,937.70	2,321.00	10,006.50	720.00	1,698.99	2,762.00
479.02	48,591.26	168.72	353.93	54.69	277.72	260.35
<b>143,453.24</b>	<b>3,347,075.67</b>	<b>76,134.60</b>	<b>276,304.31</b>	<b>22,577.86</b>	<b>30,092.13</b>	<b>28,697.03</b>
92,573.34	2,058,935.25	52,066.52	184,892.58	7,919.40	22,079.11	21,377.03
.....	.....	.....	.....	.....	.....	.....
10,309.25	361,050.15	3,959.07	15,488.13	1,302.27	1,563.79	1,703.32
8,195.64	241,732.96	5,213.57	22,095.16	1,887.06	1,767.52	3,370.87
6,517.97	46,787.74	3,024.86	1,815.08	2,300.00	107.83	9.77
8,362.00	134,490.00	3,132.00	7,237.00	1,519.00	1,651.00	1,717.00
.....	.....	.....	500.00	.....	.....	.....
<b>125,958.20</b>	<b>2,842,996.10</b>	<b>67,396.02</b>	<b>232,027.95</b>	<b>14,927.73</b>	<b>27,169.25</b>	<b>28,177.99</b>
<b>17,495.04</b>	<b>504,079.57</b>	<b>8,738.58</b>	<b>44,276.36</b>	<b>7,650.13</b>	<b>2,922.88</b>	<b>519.04</b>
1,356	30,022	931	3,351	294	323	480

## Municipal Electrical Utilities Financial

## Southern Ontario System—Continued

Municipality.....	Lynden	Madoc	Magnetawan	Markdale	Markham
Population.....	536	1,485	260	910	2,706
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Plant and facilities at cost.....	23,607.99	82,248.48	21,615.32	50,279.91	147,653.28
Accumulated depreciation.....	6,831.75	19,569.54	3,765.45	7,794.45	20,723.47
Net fixed assets.....	16,776.24	62,678.94	17,849.87	42,485.46	126,929.81
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	2,229.58	30,252.34	5,795.65	7,405.91	.....
Investment in Government securities.....	6,000.00	7,000.00	4,000.00	.....	.....
Accounts receivable.....	643.28	1,389.66	.66	99.22	838.65
Total current assets.....	8,872.86	38,642.00	9,796.31	7,505.13	838.65
<b>OTHER ASSETS</b>					
Inventory of stores.....	.....	2,502.70	.....	.....	.....
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	2,918.99	100.00	.....	287.50	.....
Total other assets.....	2,918.99	2,602.70	.....	287.50	.....
Equity in Ontario Hydro systems.....	31,905.57	34,169.37	811.00	32,196.37	63,798.56
<b>Total.....</b>	<b>60,473.66</b>	<b>138,093.01</b>	<b>28,457.18</b>	<b>82,474.46</b>	<b>191,567.02</b>
<b>LIABILITIES</b>					
Debentures outstanding.....	.....	.....	21,600.00	.....	27,107.47
Accounts payable.....	4,635.95	2,764.12	319.97	230.00	5,279.72
Other.....	22.32	710.63	.....	92.00	105.00
Total liabilities.....	4,658.27	3,474.75	21,919.97	322.00	32,492.19
<b>RESERVES</b>					
Equity in Ontario Hydro systems....	31,905.57	34,169.37	811.00	32,196.37	63,798.56
Other.....	.....	.....	.....	.....	305.35
Total reserves.....	31,905.57	34,169.37	811.00	32,196.37	64,103.91
<b>CAPITAL</b>					
Debentures redeemed.....	4,495.00	14,000.00	2,400.00	6,370.29	12,266.16
Local sinking fund.....	.....	.....	.....	.....	.....
Residual surplus.....	19,414.82	86,448.89	3,326.21	43,585.80	82,704.76
Frequency standardization expense charged this year.....	.....	.....	.....	.....	.....
Total capital.....	23,909.82	100,448.89	5,726.21	49,956.09	94,970.92
<b>Total.....</b>	<b>60,473.66</b>	<b>138,093.01</b>	<b>28,457.18</b>	<b>82,474.46</b>	<b>191,567.02</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	11,551.36	39,877.44	5,821.45	24,243.77	66,309.86
Street lighting.....	500.00	2,880.00	760.16	1,718.04	2,254.00
Other.....	364.21	559.24	95.63	4.17	19.80
<b>Total revenue.....</b>	<b>12,415.57</b>	<b>43,316.68</b>	<b>6,677.24</b>	<b>25,965.98</b>	<b>68,583.66</b>
<b>EXPENSE</b>					
Power—purchased.....	8,865.13	26,102.14	2,861.11	18,004.62	49,761.73
—generated.....	.....	.....	.....	.....	.....
Operation and maintenance (excluding generation).....	625.36	2,391.83	118.90	1,895.10	5,070.00
Administration.....	751.81	3,101.25	508.24	1,513.85	4,048.04
Fixed charges—interest and principal.....	.....	.....	2,112.25	.....	2,119.82
—depreciation.....	684.00	2,305.00	526.00	1,254.00	3,454.00
—other.....	.....	.....	.....	.....	61.00
<b>Total expense.....</b>	<b>10,926.30</b>	<b>33,900.22</b>	<b>6,126.50</b>	<b>22,667.57</b>	<b>64,514.59</b>
<b>Surplus or deficit.....</b>	<b>1,489.27</b>	<b>9,416.46</b>	<b>550.74</b>	<b>3,298.41</b>	<b>4,069.07</b>
Number of customers.....	156	553	90	387	880

## Statements for the Year Ended December 31, 1955

Marmora	Martintown	Maxville	Meaford	Merlin	Merrickville	Merritton
1,311	440	800	3,415	277	980	5,384
\$ 54,572.27 23,746.50	\$ 18,694.23 3,431.11	\$ 43,727.96 7,228.05	\$ 176,527.90 34,684.22	\$ 48,332.13 13,334.68	\$ 53,883.23 2,920.92	\$ 384,861.90 80,715.13
30,825.77	15,263.12	36,499.91	141,843.68	34,997.45	50,962.31	304,146.77
3,625.03	4,631.95	5,927.27	48,954.78	7,537.82	3,315.46	66,916.81
7,000.00	.....	1,500.00	.....	.....	.....	87,000.00
140.26	1,456.84	729.50	225.18	1,111.70	4,601.85	1,884.54
10,765.29	6,088.79	8,156.77	49,179.96	8,649.52	7,917.31	155,801.35
2,059.71	.....	.....	6,707.00	472.74	.....	17,070.50
.....	.....	.....	361.40	.....	.....	117.73
2,059.71	.....	.....	7,068.40	472.74	.....	17,188.23
22,065.94	6,686.92	26,808.46	112,049.67	29,109.60	4,943.47	743,258.38
<b>65,716.71</b>	<b>28,038.83</b>	<b>71,465.14</b>	<b>310,141.71</b>	<b>73,229.31</b>	<b>63,823.09</b>	<b>1,220,394.73</b>
.....	.....	.....	.....	.....	20,300.00	.....
30.15	3,958.24	1,426.37	136.30	.....	2,287.04	7,662.37
755.00	100.00	109.89	3,902.87	115.28	545.00	1,933.50
785.15	4,058.24	1,536.26	4,039.17	115.28	23,132.04	9,595.87
22,065.94	6,686.92	26,808.46	112,049.67	29,109.60	4,943.47	743,258.38
.....	81.02	295.87	100.05	23.40	.....	.....
22,065.94	6,767.94	27,104.33	112,149.72	29,133.00	4,943.47	743,258.38
15,091.58	5,346.73	13,642.40	47,724.76	13,122.36	4,700.00	32,186.21
27,774.04	11,865.92	29,182.15	146,228.06	30,858.67	31,047.58	440,196.78
.....	.....	.....	.....	.....	.....	4,842.51
42,865.62	17,212.65	42,824.55	193,952.82	43,981.03	35,747.58	467,540.48
<b>65,716.71</b>	<b>28,038.83</b>	<b>71,465.14</b>	<b>310,141.71</b>	<b>73,229.31</b>	<b>63,823.09</b>	<b>1,220,394.73</b>
30,843.31	7,056.20	19,215.62	102,074.77	13,902.21	20,773.68	609,761.55
2,112.00	312.00	1,179.00	5,763.94	997.00	2,133.72	9,722.50
315.66	12.64	200.19	1,971.07	2,247.14	75.08	4,152.55
<b>33,270.97</b>	<b>7,380.84</b>	<b>20,594.81</b>	<b>109,809.78</b>	<b>17,146.35</b>	<b>22,982.48</b>	<b>623,636.60</b>
20,301.92	3,685.99	12,685.90	77,398.02	9,637.35	10,392.85	552,505.94
3,967.12	204.07	1,590.83	11,606.03	725.80	1,786.83	16,144.87
3,153.38	651.10	1,112.21	6,795.90	2,975.97	2,241.80	22,620.45
1,202.00	455.00	1,102.00	4,494.00	1,404.00	1,745.50	10,379.00
28,624.42	4,996.16	16,490.94	100,293.95	14,743.12	17,280.98	601,650.26
4,646.55	2,384.68	4,103.87	9,515.83	2,403.23	5,701.50	21,986.34
461	111	290	1,421	239	331	1,548

# Municipal Electrical Utilities Financial Southern Ontario System—Continued

Municipality.....	Midland	Mildmay	Millbrook	Milton	Milverton
Population.....	8,030	826	783	3,840	1,068
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Plant and facilities at cost.....	537,346.45	34,452.62	33,584.40	306,638.83	61,893.83
Accumulated depreciation.....	198,903.73	3,738.15	7,662.66	49,311.71	11,332.50
Net fixed assets.....	338,442.72	30,714.47	25,921.74	257,327.12	50,561.33
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	43,446.43	5,698.89	10,397.94	19,042.07	13,316.46
Investment in Government securities.....	75,000.00	13,000.00	6,000.00		
Accounts receivable.....	21,722.71		264.47	2,470.99	183.19
Total current assets.....	140,169.14	18,698.89	16,662.41	21,513.06	13,499.65
<b>OTHER ASSETS</b>					
Inventory of stores.....	7,878.79		1,863.43	5,629.85	159.60
Sinking fund on local debentures.....					
Miscellaneous.....	1,838.60			19,783.72	
Total other assets.....	9,717.39		1,863.43	25,413.57	159.60
Equity in Ontario Hydro systems.....	602,087.41	16,967.78	10,337.33	274,225.45	107,274.81
<b>Total.....</b>	<b>1,090,416.66</b>	<b>66,381.14</b>	<b>54,784.91</b>	<b>578,479.20</b>	<b>171,495.39</b>
<b>LIABILITIES</b>					
Debentures outstanding.....				89,400.10	14,500.00
Accounts payable.....	14,041.74		1.10	7,096.02	3,081.06
Other.....	2,340.30	260.73	573.04	3,035.83	
Total liabilities.....	16,382.04	260.73	574.14	99,531.95	17,581.06
<b>RESERVES</b>					
Equity in Ontario Hydro systems....	602,087.41	16,967.78	10,337.33	274,225.45	107,274.81
Other.....	1,302.06			2,234.27	240.10
Total reserves.....	603,389.47	16,967.78	10,337.33	276,459.72	107,514.91
<b>CAPITAL</b>					
Debentures redeemed.....	111,944.99	12,303.50	9,000.00	37,646.31	10,000.00
Local sinking fund.....					
Residual surplus.....	358,700.16	36,849.13	34,873.44	164,841.22	36,399.42
Frequency standardization expense charged this year.....					
Total capital.....	470,645.15	49,152.63	43,873.44	202,487.53	46,399.42
<b>Total.....</b>	<b>1,090,416.66</b>	<b>66,381.14</b>	<b>54,784.91</b>	<b>578,479.20</b>	<b>171,495.39</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	278,293.57	18,528.45	21,222.30	176,502.49	44,806.35
Street lighting.....	7,936.75	1,335.96	1,236.96	8,468.13	1,782.38
Other.....	2,941.75	414.43	245.92	1,235.69	75.49
<b>Total revenue.....</b>	<b>289,172.07</b>	<b>20,278.84</b>	<b>22,705.18</b>	<b>186,206.31</b>	<b>46,664.22</b>
<b>EXPENSE</b>					
Power—purchased.....	186,647.22	12,538.58	12,315.12	121,605.07	32,710.61
—generated.....					
Operation and maintenance (excluding generation).....	22,553.16	2,958.63	1,490.07	9,395.58	2,894.21
Administration.....	19,306.98	1,259.95	2,089.04	14,373.17	2,616.70
Fixed charges—interest and principal.....	429.06		2.05	7,240.84	1,174.11
—depreciation.....	12,987.00	807.00	905.00	7,214.00	1,624.00
—other.....				220.00	
<b>Total expense.....</b>	<b>241,923.42</b>	<b>17,564.16</b>	<b>16,801.28</b>	<b>160,048.66</b>	<b>41,019.63</b>
<b>Surplus or deficit.....</b>	<b>47,248.65</b>	<b>2,714.68</b>	<b>5,903.90</b>	<b>26,157.65</b>	<b>5,644.59</b>
Number of customers.....	2,550	310	306	1,414	441

## Statements for the Year Ended 31, 1955

Mimico	Mitchell	Moorefield	Morrisburg	Mount Brydges	Mount Forest	Napanee
13,054	2,084	274	2,005	774	2,390	3,996
\$ 638,537.89 132,344.06	\$ 184,137.80 39,915.76	\$ 17,509.88 4,060.22	\$ 94,691.10 7,503.28	\$ 36,205.57 7,913.33	\$ 106,686.38 26,561.58	\$ 230,558.00 48,464.32
506,193.83	144,222.04	13,449.66	87,187.82	28,292.24	80,124.80	182,093.68
59,239.63	6,782.94	1,503.96	7,189.55	3,533.08	25,823.61	7,941.84
100,000.00	8,000.00	1,000.00	11,000.00	1,000.00	20,000.00	34,800.00
3,769.32	7,344.08	41.04	2,183.28	268.77	448.09	27,835.22
163,008.95	22,127.02	2,545.00	20,372.83	4,801.85	46,271.70	70,577.06
1,844.69	15,290.60	.....	5,412.72	.....	3,128.35	8,085.64
380.93	487.76	20.25	337.50	.....	.....	409.40
2,225.62	15,778.36	20.25	5,750.22	.....	3,128.35	8,495.04
417,815.49	129,976.26	17,027.45	27,631.30	21,592.80	101,714.45	157,657.21
<b>1,089,243.89</b>	<b>312,103.68</b>	<b>33,042.36</b>	<b>140,942.17</b>	<b>54,686.89</b>	<b>231,239.30</b>	<b>418,822.99</b>
107,500.00	21,500.00	.....	.....	.....	.....	.....
650.35	731.92	27.88	2,716.99	.....	165.96	.....
21,554.29	735.00	2.22	2,834.29	120.00	165.00	3,208.33
129,704.64	22,966.92	30.10	5,551.28	120.00	330.96	3,208.33
417,815.49	129,976.26	17,027.45	27,631.30	21,592.80	101,714.45	157,657.21
5,708.62	1,352.49	.....	.....	94.03	.....	.....
423,524.11	131,328.75	17,027.45	27,631.30	21,686.83	101,714.45	157,657.21
144,500.00	25,795.22	4,500.00	31,636.00	4,220.00	25,351.63	70,000.00
391,515.14	132,012.79	11,484.81	76,123.59	28,660.06	103,842.26	187,957.45
.....	.....	.....	.....	.....	.....	.....
536,015.14	157,808.01	15,984.81	107,759.59	32,880.06	129,193.89	257,957.45
<b>1,089,243.89</b>	<b>312,103.68</b>	<b>33,042.36</b>	<b>140,942.17</b>	<b>54,686.89</b>	<b>231,239.30</b>	<b>418,822.99</b>
346,067.09	85,717.85	8,045.07	54,643.81	16,323.23	69,871.08	143,565.11
14,182.91	4,659.50	685.00	3,350.29	993.85	3,026.60	6,527.62
7,087.10	1,926.22	83.64	2,281.23	35.51	825.95	9,230.99
<b>367,337.10</b>	<b>92,303.57</b>	<b>8,813.71</b>	<b>60,275.33</b>	<b>17,352.59</b>	<b>73,723.63</b>	<b>159,323.72</b>
209,052.83	54,179.25	6,594.31	37,026.97	10,393.06	47,533.43	101,620.72
.....	.....	.....	3,700.70	.....	.....	.....
24,370.95	13,886.50	356.77	6,167.40	657.57	6,796.04	10,532.28
33,385.22	8,664.77	448.98	6,344.02	2,044.24	3,946.77	20,757.93
9,666.15	1,803.11	15.24	.....	.....	.....	.....
16,563.00	4,723.00	479.00	1,993.00	980.00	2,992.00	5,862.00
.....	.....	.....	.....	.....	.....	.....
<b>293,038.15</b>	<b>83,256.63</b>	<b>7,894.30</b>	<b>55,232.09</b>	<b>14,074.87</b>	<b>61,268.24</b>	<b>138,772.93</b>
<b>74,298.95</b>	<b>9,046.94</b>	<b>919.41</b>	<b>5,043.24</b>	<b>3,277.72</b>	<b>12,455.39</b>	<b>20,550.79</b>
4,279	862	124	777	316	888	1,562

## Municipal Electrical Utilities Financial

## Southern Ontario System—Continued

Municipality.....	Neustadt	Newboro	Newburgh	Newbury	Newcastle
Population.....	478	317	527	311	1,002
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$
Plant and facilities at cost.....	33,743.28	22,794.51	32,969.11	15,188.93	53,475.22
Accumulated depreciation.....	9,839.68	2,799.34	13,530.93	8,267.96	19,609.86
Net fixed assets.....	23,903.60	19,995.17	19,438.18	6,920.97	33,865.36
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	5,477.99	2,196.59	4,382.18	7,137.04	8,629.78
Investment in Government securities.....	14,200.00	5,000.00	3,000.00	6,500.00	10,500.00
Accounts receivable.....	475.83	115.83	245.70	499.59	140.97
Total current assets.....	20,153.82	7,312.42	7,627.88	14,136.63	19,270.75
<b>OTHER ASSETS</b>					
Inventory of stores.....					2,499.43
Sinking fund on local debentures.....					
Miscellaneous.....			135.00	82.00	
Total other assets.....			135.00	82.00	2,499.43
Equity in Ontario Hydro systems.....	16,418.41	1,239.53	2,620.80	11,802.35	20,333.03
<b>Total.....</b>	<b>60,475.83</b>	<b>28,547.12</b>	<b>29,821.86</b>	<b>32,941.95</b>	<b>75,968.57</b>
<b>LIABILITIES</b>					
Debentures outstanding.....		12,907.62	8,350.00		
Accounts payable.....		248.21	120.91		97.11
Other.....	198.85	85.00	121.00	82.84	
Total liabilities.....	198.85	13,240.83	8,591.91	82.84	97.11
<b>RESERVES</b>					
Equity in Ontario Hydro systems.....	16,418.41	1,239.53	2,620.80	11,802.35	20,333.03
Other.....					
Total reserves.....	16,418.41	1,239.53	2,620.80	11,802.35	20,333.03
<b>CAPITAL</b>					
Debentures redeemed.....	15,504.12	4,092.38	5,650.00	9,754.39	14,000.00
Local sinking fund.....					
Residual surplus.....	28,354.45	9,974.38	12,959.15	11,302.37	41,538.43
Frequency standardization expense charged this year.....					
Total capital.....	43,858.57	14,066.76	18,609.15	21,056.76	55,538.43
<b>Total.....</b>	<b>60,475.83</b>	<b>28,547.12</b>	<b>29,821.86</b>	<b>32,941.95</b>	<b>75,968.57</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	13,652.17	4,850.60	12,338.35	5,311.53	34,315.90
Street lighting.....	805.00	679.98	555.00	720.00	2,012.82
Other.....	452.99	139.07	93.03	219.01	393.70
<b>Total revenue.....</b>	<b>14,910.16</b>	<b>5,669.65</b>	<b>12,986.38</b>	<b>6,250.54</b>	<b>36,722.42</b>
<b>EXPENSE</b>					
Power—purchased.....	8,848.30	2,105.95	6,250.61	3,974.50	23,979.76
—generated.....					
Operation and maintenance (excluding generation).....	494.06	629.71	541.20	321.11	3,693.74
Administration.....	1,495.58	570.09	1,118.19	561.22	4,039.99
Fixed charges—interest and principal.....		1,143.69	1,416.00		
—depreciation.....	1,033.00	532.00	704.00	383.00	1,017.00
—other.....					
<b>Total expense.....</b>	<b>11,870.94</b>	<b>4,981.44</b>	<b>10,030.00</b>	<b>5,239.83</b>	<b>32,730.49</b>
<b>Surplus or deficit.....</b>	<b>3,039.22</b>	<b>688.21</b>	<b>2,956.38</b>	<b>1,010.71</b>	<b>3,991.93</b>
Number of customers.....	194	123	169	128	404

## Statements for the Year Ended December 31, 1955

New Hamburg	Newmarket	New Toronto	Niagara	Niagara Falls	North York Twp.	Norwich
1,933	6,624	9,835	2,553	24,408	148,258	1,547
\$ 110,232.73 21,626.51	\$ 374,865.22 75,252.08	\$ 687,582.72 117,843.56	\$ 210,187.43 25,815.02	\$ 1,619,799.24 412,124.49	\$ 10,523,918.80 994,523.65	\$ 65,762.75 18,346.87
88,606.22	299,613.14	569,739.16	184,372.41	1,207,674.75	9,529,395.15	47,415.88
1,822.68	125.00	28,306.59	6,192.70	32,112.56	176,676.52	6,130.01
1,209.09	4,512.97	30,000.00	55,000.00	10,000.00	8,000.00	948.15
3,031.77	4,637.97	8,714.24	3,419.22	1,407.07	382,779.58	15,078.16
1,343.16	31.57	67,020.83	9,611.92	88,519.63	569,456.10	4,844.97
102.50	284.93	15,847.29	10,964.10	68,483.56	348,821.34	4,844.97
1,445.66	316.50	17,316.40	10,964.10	71,044.30	352,213.10	4,844.97
131,759.11	89,513.24	1,396,093.50	101,098.63	1,597,508.36	1,470,202.24	95,914.14
<b>224,842.76</b>	<b>394,080.85</b>	<b>2,050,169.89</b>	<b>306,047.06</b>	<b>2,964,747.04</b>	<b>11,921,266.59</b>	<b>163,253.15</b>
.....	78,622.65	.....	30,016.09	.....	6,064,292.71	.....
8,757.40	3,835.22	2.70	3,889.72	16,558.83	499,190.64	118.75
197.50	3,258.42	8,674.80	1,965.25	38,147.92	163,835.64	970.00
8,954.90	85,716.29	8,677.50	35,871.06	54,706.75	6,727,318.99	1,088.75
131,759.11	89,513.24	1,396,093.50	101,098.63	1,597,508.36	1,470,202.24	95,914.14
33.83	3,204.52	1,301.50	508.06	487.79	174,904.01	154.28
131,792.94	92,717.76	1,397,395.00	101,606.69	1,597,996.15	1,645,106.25	96,068.42
17,729.08	16,377.35	8,000.00	50,491.58	690,243.00	1,314,920.01	13,756.00
74,213.48	199,269.45	636,097.39	127,383.64	641,065.10	2,233,921.34	52,339.98
7,847.64	.....	.....	9,305.91	19,263.96	.....	.....
84,094.92	215,646.80	644,097.39	168,569.31	1,312,044.14	3,548,841.35	66,095.98
<b>224,842.76</b>	<b>394,080.85</b>	<b>2,050,169.89</b>	<b>306,047.06</b>	<b>2,964,747.04</b>	<b>11,921,266.59</b>	<b>163,253.15</b>
64,163.03	194,960.80	740,442.50	89,527.67	762,763.76	4,676,583.76	49,149.19
2,995.92	9,600.00	15,785.00	5,613.54	42,732.50	102,396.13	3,270.66
353.29	380.72	6,540.04	.....	909.99	8,042.15	277.76
<b>67,512.24</b>	<b>204,941.52</b>	<b>762,767.54</b>	<b>95,141.21</b>	<b>806,406.25</b>	<b>4,787,022.04</b>	<b>52,697.61</b>
44,924.62	134,588.10	637,075.18	52,700.17	533,283.28	3,009,959.61	33,745.81
6,589.34	8,515.55	25,292.19	13,567.43	100,947.92	301,880.20	6,784.97
4,485.30	13,862.20	38,994.31	6,542.57	53,686.34	283,273.11	3,958.23
308.43	5,757.56	.....	2,376.26	.....	456,349.87	45.71
2,741.00	9,433.00	16,841.00	6,342.00	49,780.00	214,464.00	1,928.00
.....	100.00	500.00	.....	.....	11,691.46	.....
<b>59,048.69</b>	<b>172,256.41</b>	<b>718,702.68</b>	<b>81,528.43</b>	<b>737,697.54</b>	<b>4,277,618.25</b>	<b>46,462.72</b>
<b>8,463.55</b>	<b>32,685.11</b>	<b>44,064.86</b>	<b>13,612.78</b>	<b>68,708.71</b>	<b>509,403.79</b>	<b>6,234.89</b>
660	2,282	3,066	1,004	7,330	47,456	646

## Municipal Electrical Utilities Financial

## Southern Ontario System—Continued

Municipality .....	Norwood	Oakville	Oil Springs	Omemece	Orangeville
Population .....	1,018	9,751	497	755	3,719
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$
Plant and facilities at cost .....	89,532.65	826,032.40	47,374.00	48,872.62	197,874.92
Accumulated depreciation .....	15,888.26	144,405.76	18,834.58	17,719.74	43,233.11
Net fixed assets .....	73,644.39	681,626.64	28,539.42	31,152.88	154,641.81
<b>CURRENT ASSETS</b>					
Cash on hand and in bank .....	6,531.35	25,174.38	5,936.18	5,964.14	70.00
Investment in Government securities .....			11,000.00	11,000.00	11,000.00
Accounts receivable .....	2,883.24	6,977.47	21.28	218.83	1,096.19
Total current assets .....	9,414.59	32,151.85	16,957.46	17,182.97	12,166.19
<b>OTHER ASSETS</b>					
Inventory of stores .....		33,853.71	410.38	991.91	9,313.38
Sinking fund on local debentures .....					
Miscellaneous .....		377.47	81.21		1,588.35
Total other assets .....		34,231.18	491.59	991.91	10,901.73
Equity in Ontario Hydro systems .....	23,261.81	89,786.36	56,491.73	12,267.88	141,099.06
<b>Total .....</b>	<b>106,320.79</b>	<b>837,796.03</b>	<b>102,480.20</b>	<b>61,595.64</b>	<b>318,808.79</b>
<b>LIABILITIES</b>					
Debentures outstanding .....	8,000.00	326,000.00			
Accounts payable .....	343.64	13,292.25	122.21	150.09	7,108.23
Other .....	643.87	11,884.26	25.00	160.83	2,023.00
Total liabilities .....	8,987.51	351,176.51	147.21	310.92	9,131.23
<b>RESERVES</b>					
Equity in Ontario Hydro systems .....	23,261.81	89,786.36	56,491.73	12,267.88	141,099.06
Other .....		10,483.55		45.14	2.70
Total reserves .....	23,261.81	100,269.91	56,491.73	12,313.02	141,101.76
<b>CAPITAL</b>					
Debentures redeemed .....	47,100.00	25,000.00	16,721.31	12,000.00	25,594.32
Local sinking fund .....					
Residual surplus .....	26,971.47	361,349.61	29,119.95	36,971.70	142,981.48
Frequency standardization expense charged this year .....					
Total capital .....	74,071.47	386,349.61	45,841.26	48,971.70	168,575.80
<b>Total .....</b>	<b>106,320.79</b>	<b>837,796.03</b>	<b>102,480.20</b>	<b>61,595.64</b>	<b>318,808.79</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power .....	27,048.83	396,458.11	13,828.75	18,507.89	97,738.08
Street lighting .....	2,281.00	11,507.99	909.89	1,466.70	5,397.57
Other .....	231.17	2,455.17	1,407.95	464.92	756.31
<b>Total revenue .....</b>	<b>29,561.00</b>	<b>410,421.27</b>	<b>16,146.59</b>	<b>20,439.51</b>	<b>103,891.96</b>
<b>EXPENSE</b>					
Power—purchased .....	16,286.82	230,881.32	9,563.96	11,633.26	78,253.69
—generated .....					
Operation and maintenance (excluding generation) .....	1,908.99	21,932.58	3,071.64	2,704.31	8,236.36
Administration .....	2,719.38	30,840.53	2,422.57	1,781.24	7,524.54
Fixed charges—interest and principal .....	1,600.09	28,210.49			40.70
—depreciation .....	2,320.00	20,368.00	990.00	980.00	5,355.00
—other .....					
<b>Total expense .....</b>	<b>24,835.28</b>	<b>332,232.92</b>	<b>16,048.17</b>	<b>17,098.81</b>	<b>99,410.29</b>
<b>Surplus or deficit .....</b>	<b>4,725.72</b>	<b>78,188.35</b>	<b>98.42</b>	<b>3,340.70</b>	<b>4,481.67</b>
Number of customers .....	376	3,270	219	287	1,372

## Statements for the Year Ended December 31, 1955

Orillia	Orono	Oshawa	Ottawa	Otterville	Owen Sound	Paisley
13,301	739	47,348	214,247	662	17,393	747
\$ 3,688,801.21 658,678.78	\$ 42,212.61 8,014.83	\$ 3,612,933.49 582,755.99	\$ 19,470,273.93 5,002,816.83	\$ 37,983.18 12,864.44	\$ 884,698.08 143,789.22	\$ 52,942.96 6,930.02
3,030,122.43	34,197.78	3,030,177.50	14,467,457.10	25,118.74	740,908.86	46,012.94
315.00	437.35	226,437.97	471,122.95	762.91	113,957.70	1,197.75
200,000.00	10,000.00	400,000.00	543,000.00	2,000.00	70,000.00	4,500.00
43,874.26	362.30	172,072.65	769,577.28	224.66	44,453.31	53.67
244,189.26	10,799.65	798,510.62	1,783,700.23	2,987.57	228,411.01	5,751.42
74,135.36	1,911.88	96,926.87	398,331.96	108.00	34,994.28	.....
89,299.66	232.00	24,662.55	16,430.02	560.00	396.97	.....
163,435.02	2,143.88	121,589.42	414,761.98	668.00	35,391.25	.....
7,799.88	9,315.88	2,051,163.11	2,317,022.66	25,192.98	727,615.71	32,064.63
<b>3,445,546.59</b>	<b>56,457.19</b>	<b>6,001,440.65</b>	<b>18,982,941.97</b>	<b>53,967.29</b>	<b>1,732,326.83</b>	<b>83,828.99</b>
1,079,733.73	.....	167,000.00	5,298,000.00	.....	71,500.00	.....
24,264.57	.....	128,659.25	646,446.57	.....	31,655.93	364.85
10,644.58	.....	54,258.11	343,406.91	131.38	17,242.37	182.92
1,114,642.88	.....	349,917.36	6,287,853.48	131.38	120,398.30	547.77
7,799.88	9,315.88	2,051,163.11	2,317,022.66	25,192.88	727,615.71	32,064.63
89,299.66	.....	26,317.32	493,068.26	.....	1,578.50	.....
97,099.54	9,315.88	2,077,480.43	2,810,090.92	25,192.98	729,194.21	32,064.63
1,322,266.27	8,000.00	335,622.40	2,682,000.00	4,500.00	136,218.00	13,623.35
911,537.90	39,141.31	3,238,420.46	7,202,997.57	24,142.93	746,516.32	37,593.24
.....	.....	.....	.....	.....	.....	.....
2,233,804.17	47,141.31	3,574,042.86	9,884,997.57	28,642.93	882,734.32	51,216.59
<b>3,445,546.59</b>	<b>56,457.19</b>	<b>6,001,440.65</b>	<b>18,982,941.97</b>	<b>53,967.29</b>	<b>1,732,326.83</b>	<b>83,828.99</b>
569,707.66	19,405.09	2,035,523.78	6,544,976.16	15,696.66	519,419.20	20,235.61
13,191.69	895.50	75,046.23	232,979.36	1,094.00	17,713.15	2,015.00
30,477.49	565.23	60,488.54	54,631.14	63.98	8,433.15	143.17
<b>613,376.84</b>	<b>20,865.82</b>	<b>2,171,058.55</b>	<b>6,832,586.66</b>	<b>16,854.64</b>	<b>545,565.50</b>	<b>22,393.78</b>
100,163.34	11,125.45	1,252,775.03	3,733,125.73	11,705.32	322,994.45	14,644.35
119,263.81	.....	.....	205,795.14	.....	.....	.....
86,341.41	1,465.38	144,950.92	677,987.14	1,441.37	54,239.00	1,984.03
58,109.24	4,340.62	100,095.00	449,801.64	1,467.56	53,665.81	2,032.95
116,795.02	.....	26,454.23	402,747.24	2.80	8,490.21	.....
68,755.00	1,049.00	86,320.00	631,360.00	1,213.00	21,610.00	1,322.00
.....	.....	.....	83,937.00	.....	.....	.....
<b>549,427.82</b>	<b>17,980.45</b>	<b>1,610,595.18</b>	<b>6,184,753.89</b>	<b>15,830.05</b>	<b>460,999.47</b>	<b>19,983.33</b>
<b>63,949.02</b>	<b>2,885.37</b>	<b>560,463.37</b>	<b>647,832.77</b>	<b>1,024.59</b>	<b>84,566.03</b>	<b>2,410.45</b>
4,730	321	14,755	69,922	270	5,692	327

# Municipal Electrical Utilities Financial Southern Ontario System—Continued

Municipality.....	Palmerston	Paris	Parkhill	Parry Sound	Penetan- guishene 4,608
Population.....	1,587	5,429	1,015	5,378	
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$
Plant and facilities at cost.....	107,647.65	354,207.25	88,773.30	727,298.87	229,989.21
Accumulated depreciation.....	33,408.68	107,774.77	10,450.16	150,587.77	65,758.62
Net fixed assets.....	74,238.97	246,432.48	78,323.14	576,711.10	164,230.59
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	2,887.99	9,596.01	5,982.20	6,499.76	4,085.77
Investment in Government securities.....	20,600.00		6,000.00	32,800.00	15,000.00
Accounts receivable.....	247.85	1,242.03	641.90	10,995.52	1,191.62
Total current assets.....	23,735.84	10,838.04	12,624.10	50,295.28	20,277.39
<b>OTHER ASSETS</b>					
Inventory of stores.....	10,415.12			3,034.26	429.31
Sinking fund on local debentures.....					
Miscellaneous.....	224.10	2,038.76	92.98		5,574.13
Total other assets.....	10,639.22	2,038.76	92.98	3,034.26	6,003.44
Equity in Ontario Hydro systems.....	117,096.73	303,757.14	56,281.54	19,099.41	178,103.79
<b>Total.....</b>	<b>225,710.76</b>	<b>563,066.42</b>	<b>147,321.76</b>	<b>649,140.05</b>	<b>368,615.21</b>
<b>LIABILITIES</b>					
Debentures outstanding.....		21,600.00	12,000.00	80,000.00	
Accounts payable.....	27.49	1,669.22	2,888.50		
Other.....	310.93		252.17	7,163.76	1,312.00
Total liabilities.....	338.42	23,269.22	15,140.67	87,163.76	1,312.00
<b>RESERVES</b>					
Equity in Ontario Hydro systems.....	117,096.73	303,757.14	56,281.54	19,099.41	178,103.79
Other.....	193.96	60.00		2,604.52	913.15
Total reserves.....	117,290.69	303,817.14	56,281.54	21,703.93	179,016.94
<b>CAPITAL</b>					
Debentures redeemed.....	27,000.00	95,400.00	17,630.02	388,500.00	36,982.95
Local sinking fund.....					
Residual surplus.....	81,081.65	140,580.06	58,269.53	151,772.36	151,303.32
Frequency standardization expense charged this year.....					
Total capital.....	108,081.65	235,980.06	75,899.55	540,272.36	188,286.27
<b>Total.....</b>	<b>225,710.76</b>	<b>563,066.42</b>	<b>147,321.76</b>	<b>649,140.05</b>	<b>368,615.21</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	48,934.37	143,181.26	40,584.99	122,487.40	105,747.36
Street lighting.....	4,148.00	12,259.00	3,226.95	6,952.92	4,972.33
Other.....	783.18	268.49	374.10	1,399.19	2,224.24
<b>Total revenue.....</b>	<b>53,865.55</b>	<b>155,708.75</b>	<b>44,186.04</b>	<b>130,839.51</b>	<b>112,943.93</b>
<b>EXPENSE</b>					
Power—purchased.....	36,463.57	98,427.71	26,778.91	45,605.04	75,946.28
—generated.....				23,151.20	
Operation and maintenance (exclud- ing generation).....	4,447.30	18,743.00	3,755.35	15,747.13	11,358.22
Administration.....	4,903.34	9,320.48	2,413.25	21,817.92	8,354.47
Fixed charges—interest and principal	5.58	1,912.50	1,041.00	2,458.33	
—depreciation.....	3,310.00	10,660.00	1,990.61	12,533.00	4,156.00
—other.....					
<b>Total expense.....</b>	<b>49,129.79</b>	<b>139,063.69</b>	<b>35,979.12</b>	<b>121,312.62</b>	<b>99,814.97</b>
<b>Surplus or deficit.....</b>	<b>4,735.76</b>	<b>16,645.06</b>	<b>8,206.92</b>	<b>9,526.89</b>	<b>13,128.96</b>
Number of customers.....	623	1,778	475	1,758	1,308

Statements for the Year Ended December 31, 1955

Perth	Peterborough	Petrolia	Picton	Plattsville	Point Edward	Port Burwell
5,107	41,253	3,409	4,713	464	2,373	688
\$ 276,611.34 81,235.48	\$ 3,617,372.04 712,780.82	\$ 246,902.06 70,262.13	\$ 317,264.47 73,838.16	\$ 21,746.71 3,097.63	\$ 144,195.52 30,674.24	\$ 51,047.04 18,886.00
195,375.86	2,904,591.22	176,639.93	243,426.31	18,649.08	113,521.28	32,161.04
12,268.74 81,000.00 790.98	246,492.03 ..... 110,116.60	1,380.03 ..... 16,947.22	22,384.54 3,000.00 1,465.86	12,758.82 4,500.00 1,553.91	57,976.62 25,000.00 5,296.75	10,547.63 ..... 678.86
94,059.72	356,608.63	18,327.25	26,850.40	18,812.73	88,273.37	11,226.49
12,728.54 ..... .....	60,935.85 ..... 1,710.26	18,431.50 ..... 1,174.07	9,234.76 ..... .....	..... ..... 105.50	3,506.40 ..... .....	..... ..... 200.00
12,728.54 219,904.28	62,646.11 1,352,153.19	19,605.57 252,035.44	9,234.76 184,517.47	105.50 29,962.88	3,506.40 221,187.28	200.00 .....
<b>522,068.40</b>	<b>4,675,999.15</b>	<b>466,608.19</b>	<b>464,028.94</b>	<b>67,530.19</b>	<b>426,488.33</b>	<b>43,587.53</b>
..... ..... 4,003.35	996,000.00 128,789.08 5,761.06	..... 4,818.16 3,404.65	55,002.54 555.22 8,374.36	..... 1,712.39 .....	..... 3,624.68 918.27	40,000.00 266.46 .....
4,003.35	1,130,550.14	8,222.81	63,932.12	1,712.39	4,542.95	40,266.46
219,904.28 4,095.32	1,352,153.19 442.02	252,035.44 63.00	184,517.47 2,465.86	29,962.88 .....	221,187.28 .....	..... 1,250.00
223,999.60	1,352,595.21	252,098.44	186,983.33	29,962.88	221,187.28	1,250.00
85,045.30 209,020.15 .....	597,610.67 1,595,243.13 .....	50,000.00 156,286.94 .....	8,179.78 204,933.71 .....	5,237.00 30,617.92 .....	17,000.00 183,758.10 .....	..... 2,071.07 .....
294,065.45	2,192,853.80	206,286.94	213,113.49	35,854.92	200,758.10	2,071.07
<b>522,068.40</b>	<b>4,675,999.15</b>	<b>466,608.19</b>	<b>464,028.94</b>	<b>67,530.19</b>	<b>426,488.33</b>	<b>43,587.53</b>
						4 months' operation
137,386.30 6,706.09 4,159.35	1,445,609.91 57,938.96 2,748.38	104,312.67 5,002.02 1,994.91	134,418.03 6,775.39 1,505.28	21,833.75 603.00 208.43	156,703.43 3,037.79 1,288.44	7,332.14 362.00 .....
<b>148,251.74</b>	<b>1,506,297.25</b>	<b>111,309.60</b>	<b>142,698.70</b>	<b>22,645.18</b>	<b>161,029.66</b>	<b>7,694.14</b>
104,040.81 .....	945,006.14 .....	59,298.71 .....	94,864.99 .....	16,038.57 .....	113,507.81 .....	2,715.72 .....
10,207.51 14,215.98 ..... 4,996.00	145,049.91 76,136.74 60,969.50 90,360.00	17,384.65 16,254.51 13.63 7,184.00	8,749.28 12,897.25 7,397.46 8,322.00	970.00 363.00 ..... 562.00	6,078.29 9,141.33 20.00 3,701.00 55.62	234.04 457.85 1,515.46 700.00 .....
<b>133,460.30</b>	<b>1,317,522.29</b>	<b>100,135.50</b>	<b>132,230.98</b>	<b>17,933.57</b>	<b>132,504.05</b>	<b>5,623.07</b>
<b>14,791.44</b>	<b>188,774.96</b>	<b>11,174.10</b>	<b>10,467.72</b>	<b>4,711.61</b>	<b>28,525.61</b>	<b>2,071.07</b>
1,817	13,121	1,261	1,762	179	724	396

# Municipal Electrical Utilities Financial Southern Ontario System—Continued

Municipality.....	Port Colborne	Port Credit	Port Dalhousie	Port Dover	Port Elgin
Population.....	13,832	5,861	2,910	2,648	1,727
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$
Plant and facilities at cost.....	641,745.69	308,206.00	183,476.88	163,744.01	126,461.54
Accumulated depreciation.....	89,554.70	46,230.55	18,316.07	45,693.82	16,891.14
Net fixed assets.....	552,190.99	261,975.45	165,160.81	118,050.19	109,570.40
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	9,560.82	5,955.69	8,115.90	6,957.33	2,709.70
Investment in Government securities.....	10,000.00	3,500.00			1,500.00
Accounts receivable.....	2,209.98	4,253.01	8,855.49	8,299.32	383.13
Total current assets.....	21,770.80	13,708.70	16,971.39	15,256.65	4,592.83
<b>OTHER ASSETS</b>					
Inventory of stores.....	11,510.31	4,284.33	1,649.59		1,549.06
Sinking fund on local debentures.....					
Miscellaneous.....	390.68	1,402.08	945.56	315.00	
Total other assets.....	11,900.99	5,686.41	2,595.15	315.00	1,549.06
Equity in Ontario Hydro systems.....	357,693.50	146,605.82	117,543.09	86,078.36	58,771.95
<b>Total.....</b>	<b>943,556.28</b>	<b>427,976.38</b>	<b>302,270.44</b>	<b>219,700.20</b>	<b>174,484.24</b>
<b>LIABILITIES</b>					
Debentures outstanding.....	59,710.38	53,429.25	36,008.17	18,760.05	
Accounts payable.....	1,052.31	1,274.15	7,936.30	161.12	19.85
Other.....	7,767.22	7,616.52	2,140.30	2,049.88	
Total liabilities.....	68,529.91	62,319.92	46,084.77	20,971.05	19.85
<b>RESERVES</b>					
Equity in Ontario Hydro systems....	357,693.50	146,605.82	117,543.09	86,078.36	58,771.95
Other.....	98.73	3,251.30	214.16	668.67	150.00
Total reserves.....	357,792.23	149,857.12	117,757.25	86,747.03	58,921.95
<b>CAPITAL</b>					
Debentures redeemed.....	183,289.62	46,070.75	33,491.83	30,239.95	37,787.00
Local sinking fund.....					
Residual surplus.....	333,944.52	170,470.96	107,009.94	81,742.17	77,755.44
Frequency standardization expense charged this year.....		742.37	2,073.35		
Total capital.....	517,234.14	215,799.34	138,428.42	111,982.12	115,542.44
<b>Total.....</b>	<b>943,556.28</b>	<b>427,976.38</b>	<b>302,270.44</b>	<b>219,700.20</b>	<b>174,484.24</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	293,432.23	227,404.16	97,649.42	80,330.92	62,652.99
Street lighting.....	19,152.84	6,495.00	3,642.00	5,071.92	3,805.77
Other.....	375.18	334.31		36.95	72.19
<b>Total revenue.....</b>	<b>312,960.25</b>	<b>234,233.47</b>	<b>101,291.42</b>	<b>85,439.79</b>	<b>66,530.95</b>
<b>EXPENSE</b>					
Power—purchased.....	172,690.12	146,961.72	57,993.44	51,844.67	39,515.90
—generated.....					
Operation and maintenance (exclud- ing generation).....	49,460.54	11,159.88	7,344.88	11,516.92	9,326.35
Administration.....	28,533.68	15,265.41	12,753.33	5,424.45	7,749.74
Fixed charges—interest and principal	8,095.98	10,900.39	4,969.10	1,612.40	
—depreciation.....	15,068.00	7,381.00	3,775.00	4,773.00	2,991.00
—other.....		200.00			150.00
<b>Total expense.....</b>	<b>273,848.32</b>	<b>191,868.40</b>	<b>86,835.75</b>	<b>75,171.44</b>	<b>59,732.99</b>
<b>Surplus or deficit.....</b>	<b>39,111.93</b>	<b>42,365.07</b>	<b>14,455.67</b>	<b>10,268.35</b>	<b>6,797.96</b>
Number of customers.....	4,222	2,183	1,016	1,384	951

Statements for the Year Ended December 31, 1955

Port Hope	Port McNicoll	Port Perry	Port Rowan	Port Stanley	Prescott	Preston
6,968	958	2,103	774	1,306	4,589	8,937
\$ 466,101.33 78,883.75	\$ 52,070.04 8,376.96	\$ 105,680.41 14,693.93	\$ 40,374.67 7,234.26	\$ 136,042.21 34,410.91	\$ 218,519.63 67,987.89	\$ 747,415.09 155,804.12
387,217.58	43,693.08	90,986.48	33,140.41	101,631.30	150,531.74	591,610.97
44,179.75	20,180.49	7,457.52	5,655.21	6,128.22	31,751.88	26,084.80
.....	1,000.00	16,000.00	.....	18,000.00	.....	.....
801.40	826.88	625.32	3,440.91	2,357.94	6,122.82	16,754.45
44,981.15	22,007.37	24,082.84	9,096.12	26,486.16	37,874.70	42,839.25
18,924.34	195.70	.....	.....	577.82	5,464.45	34,729.73
.....	.....	.....	.....	.....	.....	.....
225.34	.....	1,572.60	212.48	.....	.....	65,738.42
19,149.68	195.70	1,572.60	212.48	577.82	5,464.45	100,468.15
274,056.57	30,257.43	57,374.50	21,347.72	117,697.16	159,911.45	690,513.72
<b>725,404.98</b>	<b>96,153.58</b>	<b>174,016.42</b>	<b>63,796.73</b>	<b>246,392.44</b>	<b>353,782.34</b>	<b>1,425,432.09</b>
129,600.00	.....	.....	.....	.....	6,500.00	293,040.00
.....	.....	469.17	1,011.97	572.00	504.83	3,320.93
19,867.99	446.90	1,086.55	325.83	428.00	2,494.40	7,357.84
149,467.99	446.90	1,555.72	1,337.80	1,000.00	9,499.23	303,718.77
274,056.57	30,257.43	57,374.50	21,347.72	117,697.16	159,911.45	690,513.72
8,812.68	59.70	100.00	.....	132.09	.....	5,913.65
282,869.25	30,317.13	57,474.50	21,347.72	117,829.25	159,911.45	696,427.37
84,400.00	9,803.58	19,881.66	11,000.00	18,950.00	17,670.99	184,760.00
.....	.....	.....	.....	.....	.....	.....
208,667.74	55,585.97	95,104.54	30,111.21	108,613.19	166,700.67	240,525.95
.....	.....	.....	.....	.....	.....	.....
293,067.74	65,389.55	114,986.20	41,111.21	127,563.19	184,371.66	425,285.95
<b>725,404.98</b>	<b>96,153.58</b>	<b>174,016.42</b>	<b>63,796.73</b>	<b>246,392.44</b>	<b>353,782.34</b>	<b>1,425,432.09</b>
294,285.96	47,152.43	56,695.83	15,671.90	66,040.68	149,007.74	387,177.22
9,795.75	1,215.00	2,444.22	1,142.66	5,128.86	5,883.38	16,220.72
1,206.14	109.62	862.78	16.87	600.89	472.72	1,115.26
<b>305,287.85</b>	<b>48,477.05</b>	<b>60,002.83</b>	<b>16,831.43</b>	<b>71,770.43</b>	<b>155,363.84</b>	<b>404,513.20</b>
226,130.49	31,002.93	33,389.31	9,752.91	42,055.89	89,464.38	237,659.17
.....	.....	.....	.....	.....	.....	.....
25,102.20	2,743.57	6,478.02	1,673.69	9,615.87	10,659.70	29,443.80
22,687.88	2,278.20	4,474.39	929.85	4,957.38	14,330.10	15,666.96
11,645.00	.....	.....	.....	5.00	1,469.50	25,190.15
9,175.00	1,283.00	2,493.00	1,047.00	3,857.00	4,069.00	19,600.00
.....	.....	.....	.....	.....	.....	.....
<b>294,740.57</b>	<b>37,307.70</b>	<b>46,834.72</b>	<b>13,403.45</b>	<b>60,491.14</b>	<b>119,992.68</b>	<b>327,560.08</b>
<b>10,547.28</b>	<b>11,169.35</b>	<b>13,168.11</b>	<b>3,427.98</b>	<b>11,279.29</b>	<b>35,371.16</b>	<b>76,953.12</b>
2,506	481	750	321	1,154	1,561	2,697

# Municipal Electrical Utilities Financial Southern Ontario System—Continued

Municipality.....	Priceville	Princeton	Queenston	Renfrew	Richmond
Population.....	154	376	438	8,200	745
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$
Plant and facilities at cost.....	15,208.80	24,144.73	26,580.86	1,102,117.91	41,704.18
Accumulated depreciation.....	3,390.34	4,147.27	4,659.82	179,337.60	2,117.94
Net fixed assets.....	11,818.46	19,997.46	21,921.04	922,780.31	39,586.24
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	5,497.52	250.67	5,154.07	19,105.58	514.26
Investment in Government securities.....		5,000.00	4,000.00		
Accounts receivable.....	66.57	869.03	410.96	26,617.43	788.71
Total current assets.....	5,564.09	6,119.70	9,565.03	45,723.01	1,302.97
<b>OTHER ASSETS</b>					
Inventory of stores.....				17,053.17	
Sinking fund on local debentures.....					
Miscellaneous.....		24.00			
Total other assets.....		24.00		17,053.17	
Equity in Ontario Hydro systems.....	2,742.62	26,867.71	19,768.40	47,044.02	12,715.66
<b>Total.....</b>	<b>20,125.17</b>	<b>53,008.87</b>	<b>51,254.47</b>	<b>1,032,600.51</b>	<b>53,604.87</b>
<b>LIABILITIES</b>					
Debentures outstanding.....	4,700.00			242,976.19	7,700.00
Accounts payable.....	1,041.14	178.50		11,302.84	
Other.....		20.00	190.00	10.00	250.73
Total liabilities.....	5,741.14	198.50	190.00	254,289.03	7,950.73
<b>RESERVES</b>					
Equity in Ontario Hydro systems....	2,742.62	26,867.71	19,768.40	47,044.02	12,715.66
Other.....				3,936.83	457.94
Total reserves.....	2,742.62	26,867.71	19,768.40	50,980.85	13,173.60
<b>CAPITAL</b>					
Debentures redeemed.....	7,466.10	3,550.00	9,500.00	528,260.54	6,187.33
Local sinking fund.....					
Residual surplus.....	4,175.31	22,392.66	22,467.59	199,070.09	26,293.21
Frequency standardization expense charged this year.....			671.52		
Total capital.....	11,641.41	25,942.66	31,296.07	727,330.63	32,480.54
<b>Total.....</b>	<b>20,125.17</b>	<b>53,008.87</b>	<b>51,254.47</b>	<b>1,032,600.51</b>	<b>53,604.87</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	3,196.54	9,677.38	15,142.65	223,595.18	17,140.00
Street lighting.....	267.00	700.00	1,200.00	7,174.16	607.50
Other.....	1.59	219.52	132.50	1,416.03	9.89
<b>Total revenue.....</b>	<b>3,465.13</b>	<b>10,596.90</b>	<b>16,475.15</b>	<b>232,185.37</b>	<b>17,757.39</b>
<b>EXPENSE</b>					
Power—purchased.....	1,587.23	8,521.84	9,373.51	87,620.25	9,015.20
—generated.....				44,349.58	
Operation and maintenance (excluding generation).....	327.11	347.67	1,151.66	18,216.37	1,409.90
Administration.....	371.50	709.58	1,027.31	29,927.50	608.80
Fixed charges—interest and principal	435.61			23,029.65	661.59
—depreciation.....	420.00	630.00	726.00	23,797.00	846.00
—other.....					
<b>Total expense.....</b>	<b>3,141.45</b>	<b>10,209.09</b>	<b>12,278.48</b>	<b>226,940.35</b>	<b>12,541.49</b>
<b>Surplus or deficit.....</b>	<b>323.68</b>	<b>387.81</b>	<b>4,196.67</b>	<b>5,245.02</b>	<b>5,215.90</b>
Number of customers.....	64	150	152	2,522	234

## Statements for the Year Ended December 31, 1955

Richmond Hill	Ridgetown	Ripley	Riverside	Rockland	Rockwood	Rodney
5,021	2,458	469	12,548	2,688	780	989
\$ 365,546.74 31,514.56	\$ 143,078.74 13,708.25	\$ 34,204.08 3,987.70	\$ 470,939.00 96,721.99	\$ 56,053.06 15,771.99	\$ 42,229.04 10,666.48	\$ 48,317.29 14,623.17
334,032.18	129,370.49	30,216.38	374,217.01	40,281.07	31,562.56	33,694.12
5,127.82	719.66	8,878.36	21,982.20	14,350.89	962.67	2,334.80
.....	.....	.....	.....	.....	1,500.00	5,200.00
2,991.03	3,434.01	38.82	10,533.14	7,048.56	16.46	888.74
8,118.85	4,153.67	8,917.18	32,515.34	21,399.45	2,479.13	8,423.54
.....	307.86	.....	16,313.00	.....	88.83	.....
.....	.....	.....	.....	.....	.....	.....
750.00	180.62	1,000.00	11,308.88	.....	5,167.98	.....
750.00	488.48	1,000.00	27,621.88	.....	5,256.81	.....
82,444.99	114,302.62	23,328.01	259,381.37	1,289.79	30,965.19	37,751.33
<b>425,346.02</b>	<b>248,315.26</b>	<b>63,461.57</b>	<b>693,735.60</b>	<b>62,970.31</b>	<b>70,263.69</b>	<b>79,868.99</b>
144,636.27	28,556.59	.....	61,533.04	24,000.00	8,000.00	.....
101,470.76	7,183.64	.....	1,780.47	929.84	343.58	145.35
3,808.15	1,742.50	588.24	4,708.08	1,362.00	378.93	335.00
249,915.18	37,482.73	588.24	68,021.59	26,291.84	8,722.51	480.35
82,444.99	114,302.62	23,328.01	259,381.37	1,289.79	30,965.19	37,751.33
5,267.77	2,945.62	.....	128.36	1,586.60	147.16	73.15
87,712.76	117,248.24	23,328.01	259,509.73	2,876.39	31,112.35	37,824.48
17,563.73	20,899.40	12,744.49	100,966.96	1,000.00	4,500.00	8,500.00
.....	.....	.....	.....	.....	.....	.....
70,154.35	72,690.89	26,800.83	266,851.86	32,802.08	25,928.83	33,064.16
.....	6.00	.....	1,614.54	.....	.....	.....
87,718.08	93,584.29	39,545.32	366,204.28	33,802.08	30,428.83	41,564.16
<b>425,346.02</b>	<b>248,315.26</b>	<b>63,461.57</b>	<b>693,735.60</b>	<b>62,970.31</b>	<b>70,263.69</b>	<b>79,868.99</b>
132,946.06	63,878.00	14,541.36	280,411.97	39,808.81	19,603.24	22,305.06
3,097.33	6,337.88	1,082.00	9,951.39	993.13	1,196.04	1,647.63
108.54	1,153.30	.37	3,053.32	154.79	204.32	487.89
<b>136,151.93</b>	<b>71,369.18</b>	<b>15,623.73</b>	<b>293,416.68</b>	<b>40,956.73</b>	<b>21,003.60</b>	<b>24,440.58</b>
98,468.96	43,063.43	9,382.07	171,747.63	18,392.31	14,343.49	15,957.08
.....	.....	.....	.....	.....	.....	.....
5,301.87	7,962.98	2,672.94	22,337.71	3,137.25	658.99	2,090.78
11,180.26	9,928.65	983.00	21,657.96	2,331.91	1,908.44	1,853.91
10,417.77	2,962.26	.....	10,356.26	2,105.94	81.01	38.56
7,129.00	3,183.00	821.00	12,164.00	980.00	1,225.00	1,473.00
189.00	.....	.....	238.54	.....	.....	.....
<b>132,686.86</b>	<b>67,100.32</b>	<b>13,859.01</b>	<b>238,502.10</b>	<b>26,947.41</b>	<b>18,216.93</b>	<b>21,413.33</b>
<b>3,465.07</b>	<b>4,268.86</b>	<b>1,764.72</b>	<b>54,914.58</b>	<b>14,009.32</b>	<b>2,786.67</b>	<b>3,027.25</b>
1,961	991	215	3,945	663	278	434

# Municipal Electrical Utilities Financial Southern Ontario System—Continued

Municipality.....	Rosseau	Russell	St. Catharines	St. Clair Beach	St. George
Population.....	234	525	39,944	758	675
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Plant and facilities at cost.....	17,985.08	29,832.97	2,512,331.65	53,290.88	33,384.19
Accumulated depreciation.....	5,468.60	3,827.63	458,534.28	10,657.42	5,101.40
Net fixed assets.....	12,516.48	26,005.34	2,053,797.37	42,633.46	28,282.79
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	2,613.41	7,960.46	39,334.65	3,553.20	8,312.15
Investment in Government securities.....	1,500.00	8,000.00			12,000.00
Accounts receivable.....	70.78	1,114.29	138,373.78	1,316.84	1,229.62
Total current assets.....	4,184.19	17,074.75	177,708.43	4,870.04	21,541.77
<b>OTHER ASSETS</b>					
Inventory of stores.....			80,840.81		
Sinking fund on local debentures.....					
Miscellaneous.....	100.00		5,806.92	42.00	16.40
Total other assets.....	100.00		86,647.73	42.00	16.40
Equity in Ontario Hydro systems.....	10,736.74	16,319.76	2,327,881.72	20,731.14	37,112.75
<b>Total.....</b>	<b>27,537.41</b>	<b>59,399.85</b>	<b>4,646,035.25</b>	<b>68,276.64</b>	<b>86,953.71</b>
<b>LIABILITIES</b>					
Debentures outstanding.....				11,000.00	
Accounts payable.....	30.80	762.72	95,900.55	1,263.23	2,729.14
Other.....	60.00	130.00	40,923.50	195.00	676.78
Total liabilities.....	90.80	892.72	136,824.05	12,458.23	3,405.92
<b>RESERVES</b>					
Equity in Ontario Hydro systems....	10,736.74	16,319.76	2,327,881.72	20,731.14	37,112.75
Other.....	68.08		3,208.15	845.19	
Total reserves.....	10,804.82	16,319.76	2,331,089.87	21,576.33	37,112.75
<b>CAPITAL</b>					
Debentures redeemed.....	11,932.84	8,808.12	302,022.91	7,341.45	6,000.00
Local sinking fund.....					
Residual surplus.....	4,708.95	33,379.25	1,925,248.86	26,946.63	40,435.04
Frequency standardization expense charged this year.....			49,150.44	46.00	
Total capital.....	16,641.79	42,187.37	2,178,121.33	34,242.08	46,435.04
<b>Total.....</b>	<b>27,537.41</b>	<b>59,399.85</b>	<b>4,646,035.25</b>	<b>68,276.64</b>	<b>86,953.71</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	5,106.57	10,697.90	1,881,209.38	22,637.87	16,725.20
Street lighting.....	846.00	912.00	70,491.97	803.04	1,035.47
Other.....	46.10	321.28	50.54	46.08	550.00
<b>Total revenue.....</b>	<b>5,998.67</b>	<b>11,931.18</b>	<b>1,951,751.89</b>	<b>23,486.99</b>	<b>18,310.67</b>
<b>EXPENSE</b>					
Power—purchased.....	2,626.33	5,825.40	1,232,094.07	12,560.73	12,528.97
—generated.....					
Operation and maintenance (excluding generation).....	659.25	840.23	123,125.69	1,301.11	981.37
Administration.....	509.62	1,070.26	109,229.13	1,950.08	1,520.01
Fixed charges—interest and principal.....			113.05	1,575.00	1.72
—depreciation.....	554.00	700.00	66,383.00	1,347.00	835.00
—other.....				83.00	
<b>Total expense.....</b>	<b>4,349.20</b>	<b>8,435.89</b>	<b>1,530,944.94</b>	<b>18,816.92</b>	<b>15,867.07</b>
<b>Surplus or deficit.....</b>	<b>1,649.47</b>	<b>3,495.29</b>	<b>420,806.95</b>	<b>4,670.07</b>	<b>2,443.60</b>
Number of customers.....	114	203	13,422	282	263

## Statements for the Year Ended December 31, 1955

St. Jacobs	St. Mary's	St. Thomas	Sarnia	Scarborough Twp.	Seaforth	Shelburne
725	4,134	18,834	41,004	110,286	2,165	1,251
\$ 37,949.75 6,474.40	\$ 340,770.27 93,577.65	\$ 1,119,108.74 349,740.55	\$ 2,795,149.50 561,114.20	\$ 9,656,749.96 596,323.65	\$ 155,471.92 14,766.02	\$ 91,460.45 23,555.46
31,475.35	247,192.62	769,368.19	2,234,035.30	9,060,426.31	140,705.90	67,904.99
832.31	39,652.97	51,244.93	600.00	390,930.76	25,220.71	.....
2,000.00	22,500.00	30,000.00	.....	127,500.00	9,000.00	.....
1,862.63	3,990.73	49,461.28	145,836.51	304,574.88	1,760.93	1,019.04
4,694.94	66,143.70	130,706.21	146,436.51	823,005.64	35,981.64	1,019.04
.....	11,073.31	46,073.57	122,125.33	183,432.33	235.16	.....
10.00	486.04	13,178.24	10,565.10	7,320.37	229.70	145.00
10.00	11,559.35	59,251.81	132,690.43	190,752.70	464.86	145.00
47,711.80	338,084.58	1,307,835.81	1,874,793.91	1,086,570.70	163,124.12	56,646.43
<b>83,892.09</b>	<b>662,980.25</b>	<b>2,267,162.02</b>	<b>4,387,956.15</b>	<b>11,160,755.35</b>	<b>340,276.52</b>	<b>125,715.46</b>
.....	62,370.94	.....	327,000.00	5,188,000.00	35,849.41	.....
100.00	116.05	222.60	386,474.30	1,612,776.92	1,355.44	1,377.26
.....	2,444.00	34,139.15	45,627.13	556,227.99	2,286.74	96.00
100.00	64,930.99	34,361.75	759,101.43	7,357,004.91	39,491.59	1,473.26
47,711.80	338,084.58	1,307,835.81	1,874,793.91	1,086,570.70	163,124.12	56,646.43
.....	701.02	274.03	12,757.16	96,210.68	.....	48.52
47,711.80	338,785.60	1,308,109.84	1,887,551.07	1,182,781.38	163,124.12	56,694.95
6,000.00	131,889.44	138,944.07	461,000.00	734,640.92	39,150.59	16,991.04
.....	127,374.22	785,746.36	1,280,303.65	1,886,328.14	98,510.22	50,556.21
33,047.95	.....	.....	.....	.....	.....	.....
2,967.66	.....	.....	.....	.....	.....	.....
36,080.29	259,263.66	924,690.43	1,741,303.65	2,620,969.06	137,660.81	67,547.25
<b>83,892.09</b>	<b>662,980.25</b>	<b>2,267,162.02</b>	<b>4,387,956.15</b>	<b>11,160,755.35</b>	<b>340,276.52</b>	<b>125,715.46</b>
21,918.83	155,068.99	649,775.92	1,842,179.84	3,884,587.63	84,231.26	38,327.12
506.00	8,082.58	23,650.58	38,567.93	97,774.85	4,293.00	1,954.00
142.98	2,156.17	5,586.76	29,640.01	21,777.96	826.47	65.27
<b>22,567.81</b>	<b>165,307.74</b>	<b>679,013.26</b>	<b>1,910,387.78</b>	<b>4,004,140.44</b>	<b>89,350.73</b>	<b>40,346.39</b>
18,457.88	92,477.69	403,719.36	1,233,775.00	2,417,624.88	55,105.89	28,639.95
.....	.....	.....	.....	.....	.....	.....
659.53	18,156.60	95,029.80	197,746.79	168,931.31	7,566.92	3,030.06
1,051.68	15,416.21	50,677.71	139,025.88	242,088.78	4,959.87	2,130.93
9.13	5,833.63	.....	52,483.51	432,294.66	3,796.25	3.52
1,022.00	9,663.00	33,911.00	70,946.00	180,262.00	3,543.00	2,716.00
.....	.....	.....	1,032.38	7,862.68	.....	.....
<b>21,200.22</b>	<b>141,547.13</b>	<b>583,337.87</b>	<b>1,695,009.56</b>	<b>3,449,064.31</b>	<b>74,971.93</b>	<b>36,520.46</b>
<b>1,367.59</b>	<b>23,760.61</b>	<b>95,675.39</b>	<b>215,378.22</b>	<b>555,076.13</b>	<b>14,378.80</b>	<b>3,825.93</b>
224	1,518	6,599	12,942	37,961	792	537

# Municipal Electrical Utilities Financial Southern Ontario System—Continued

Municipality.....	Simcoe	Smith's Falls	Smithville	Southampton	Springfield
Population.....	7,582	8,583	818	1,743	502
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Plant and facilities at cost.....	491,359.82	552,707.42	39,570.56	130,700.18	33,883.00
Accumulated depreciation.....	122,905.19	136,132.19	9,415.68	12,780.60	8,246.81
Net fixed assets.....	368,454.63	416,575.23	30,154.88	117,919.58	25,636.19
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	24,646.84	7,213.69	8,813.15	11,599.78	3,441.53
Investment in Government securities.....		17,000.00	11,500.00		500.00
Accounts receivable.....	4,471.51	2,061.09	327.80	545.07	86.16
Total current assets.....	29,118.35	26,274.78	20,640.95	12,144.85	4,027.69
<b>OTHER ASSETS</b>					
Inventory of stores.....	18,626.06	12,662.64	342.00	1,384.25	
Sinking fund on local debentures.....					
Miscellaneous.....	7,331.11		.42		
Total other assets.....	25,957.17	12,662.64	342.42	1,384.25	
Equity in Ontario Hydro systems.....	345,544.95	337,837.10	17,606.11	57,083.21	22,593.67
<b>Total.....</b>	<b>769,075.10</b>	<b>793,349.75</b>	<b>68,744.36</b>	<b>188,531.89</b>	<b>52,257.55</b>
<b>LIABILITIES</b>					
Debentures outstanding.....		20,000.00		12,000.00	
Accounts payable.....	6,416.76		29.32	31.50	
Other.....	6,623.43	417.94	142.20	379.17	30.00
Total liabilities.....	13,040.19	20,417.94	171.52	12,410.67	30.00
<b>RESERVES</b>					
Equity in Ontario Hydro systems....	345,544.95	337,837.10	17,606.11	57,083.21	22,593.67
Other.....		1,042.92			13.86
Total reserves.....	345,544.95	338,880.02	17,606.11	57,083.21	22,607.53
<b>CAPITAL</b>					
Debentures redeemed.....	75,434.90	127,787.33	15,000.00	30,522.93	9,500.00
Local sinking fund.....					
Residual surplus.....	335,055.06	306,264.46	35,966.73	88,515.08	20,120.02
Frequency standardization expense charged this year.....					
Total capital.....	410,489.96	434,051.79	50,966.73	119,038.01	29,620.02
<b>Total.....</b>	<b>769,075.10</b>	<b>793,349.75</b>	<b>68,744.36</b>	<b>188,531.89</b>	<b>52,257.55</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	249,114.23	253,551.93	31,272.82	56,576.86	8,835.68
Street lighting.....	22,557.64	10,973.70	2,086.74	4,421.31	875.00
Other.....	1,572.48	1,272.28	412.87	188.90	59.04
<b>Total revenue.....</b>	<b>273,244.35</b>	<b>265,797.91</b>	<b>33,772.43</b>	<b>61,187.07</b>	<b>9,769.72</b>
<b>EXPENSE</b>					
Power—purchased.....	175,857.62	165,220.92	19,560.38	35,353.01	6,535.69
—generated.....					
Operation and maintenance (exclud- ing generation).....	31,538.33	27,061.03	4,126.64	7,839.89	651.44
Administration.....	14,725.15	20,936.79	4,474.93	4,703.77	869.99
Fixed charges—interest and principal		3,565.08		112.03	
—depreciation.....	13,578.00	15,462.00	1,136.00	2,953.00	922.00
—other.....					
<b>Total expense.....</b>	<b>235,699.10</b>	<b>232,245.82</b>	<b>29,297.95</b>	<b>50,961.70</b>	<b>8,979.12</b>
<b>Surplus or deficit.....</b>	<b>37,545.25</b>	<b>33,552.09</b>	<b>4,474.48</b>	<b>10,225.37</b>	<b>790.60</b>
Number of customers.....	2,908	3,210	362	979	178

## Statements for the Year Ended December 31, 1955

Stamford Twp. 24,354	Stayner 1,338	Stirling 1,268	Stoney Creek 3,845	Stouffville 2,165	Stratford 19,780	Strathroy 4,178
\$ 1,571,398.48 187,456.64	\$ 80,108.26 14,149.94	\$ 90,694.47 27,697.25	\$ 227,582.06 17,980.99	\$ 103,079.23 13,158.54	\$ 1,288,608.75 488,797.27	\$ 302,415.54 80,956.62
1,383,941.84	65,958.32	62,997.22	209,601.07	89,920.69	799,811.48	221,458.92
224,589.95	9,801.89	20,262.79	21,219.57	3,203.99	16,012.26	7,302.25
8,000.00	1,000.00	.....	.....	.....	180,000.00	.....
17,442.66	615.78	1,207.47	561.45	247.04	26,454.57	3,070.73
250,032.61	11,417.67	21,470.26	21,781.02	3,451.03	222,466.83	10,372.98
40,067.63	.....	1,687.18	.....	410.00	49,267.44	446.26
1,785.72	.....	.....	2,918.74	.....	7,592.22	302.39
41,853.35	.....	1,687.18	2,918.74	410.00	56,859.66	748.65
357,745.77	50,670.18	34,073.61	23,464.36	61,412.16	1,492,827.89	247,422.68
<b>2,033,573.57</b>	<b>128,046.17</b>	<b>120,228.27</b>	<b>257,765.19</b>	<b>155,193.88</b>	<b>2,571,965.86</b>	<b>480,003.23</b>
973,706.55	.....	12,152.53	66,196.47	20,000.00	.....	.....
3,889.91	8,548.25	3.00	18,702.90	.....	2,258.20	14,636.53
13,964.62	316.18	453.93	1,403.00	2,153.05	12,430.78	2,528.55
991,561.08	8,864.43	12,609.46	86,302.37	22,153.05	14,688.98	17,165.08
357,745.77	50,670.18	34,073.61	23,464.36	61,412.16	1,492,827.89	247,422.68
56,615.72	25.20	.....	1,602.22	970.73	2,364.98	93.57
414,361.49	50,695.38	34,073.61	25,066.58	62,382.89	1,495,192.87	247,516.25
341,571.62	9,557.26	10,847.47	13,803.53	14,673.90	455,800.00	53,888.85
296,327.80	58,929.10	62,697.73	132,592.71	55,984.04	606,284.01	161,433.05
10,248.42	.....	.....	.....	.....	.....	.....
627,651.00	68,486.36	73,545.20	146,396.24	70,657.94	1,062,084.01	215,321.90
<b>2,033,573.57</b>	<b>128,046.17</b>	<b>120,228.27</b>	<b>257,765.19</b>	<b>155,193.88</b>	<b>2,571,965.86</b>	<b>480,003.23</b>
618,535.46	37,278.90	37,905.12	128,343.34	66,190.44	662,666.65	134,324.85
25,129.52	1,921.75	3,210.00	3,908.52	1,635.00	24,718.96	7,222.26
922.13	43.36	879.49	476.53	453.88	12,729.18	367.46
<b>644,587.11</b>	<b>39,244.01</b>	<b>41,994.61</b>	<b>132,728.39</b>	<b>68,279.32</b>	<b>700,114.79</b>	<b>141,914.57</b>
377,077.78	29,180.39	22,408.98	73,703.27	49,529.23	433,875.49	94,425.44
84,970.24	1,977.19	5,550.11	3,736.16	2,673.21	83,352.05	17,400.88
39,766.58	2,976.69	4,811.25	5,327.19	3,711.28	52,475.25	13,252.45
64,854.83	200.00	999.44	6,392.24	1,029.62	20.31	17.02
36,990.00	2,069.00	1,670.00	4,740.00	2,328.00	27,070.00	8,476.00
.....	.....	.....	.....	.....	.....	187.94
<b>603,659.43</b>	<b>36,403.27</b>	<b>35,439.78</b>	<b>93,898.86</b>	<b>59,271.34</b>	<b>596,793.10</b>	<b>133,759.73</b>
<b>40,927.68</b>	<b>2,840.74</b>	<b>6,554.83</b>	<b>38,829.53</b>	<b>9,007.98</b>	<b>103,321.69</b>	<b>8,154.84</b>
7,039	569	497	1,361	804	6,574	1,545

# Municipal Electrical Utilities Financial Southern Ontario System—Continued

Municipality.....	Streetsville	Sunderland	Sundridge	Sutton	Swansea
Population.....	2,228	550	692	1,278	8,512
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Plant and facilities at cost.....	183,680.30	32,299.35	51,307.99	107,376.97	473,130.53
Accumulated depreciation.....	16,748.53	5,862.42	4,569.00	22,382.86	73,366.39
Net fixed assets.....	166,931.77	26,436.93	46,738.99	84,994.11	399,764.14
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	60,894.60	5,082.92	5,079.89		152,742.88
Investment in Government securities.....				7,000.00	
Accounts receivable.....	4,032.90	158.92	2,389.43	3,269.60	5,863.05
Total current assets.....	64,927.50	5,241.84	7,469.32	10,269.60	158,605.93
<b>OTHER ASSETS</b>					
Inventory of stores.....	283.90				217.81
Sinking fund on local debentures.....					
Miscellaneous.....	9,310.48				105.28
Total other assets.....	9,594.38				323.09
Equity in Ontario Hydro systems.....	33,505.23	27,728.54	1,780.56	57,118.20	302,475.63
<b>Total.....</b>	<b>274,958.88</b>	<b>59,407.31</b>	<b>55,988.87</b>	<b>152,381.91</b>	<b>861,168.79</b>
<b>LIABILITIES</b>					
Debentures outstanding.....	135,000.00		31,663.10		128,016.66
Accounts payable.....	7,353.02	85.08	64.75	3,333.57	1,996.48
Other.....	1,677.69	105.00	10.00	265.00	7,668.86
Total liabilities.....	144,030.71	190.08	31,737.85	3,598.57	137,682.00
<b>RESERVES</b>					
Equity in Ontario Hydro systems.....	33,505.23	27,728.54	1,780.56	57,118.20	302,475.63
Other.....	4,431.57	25.00		148.87	4,744.43
Total reserves.....	37,936.80	27,753.54	1,780.56	57,267.07	307,220.06
<b>CAPITAL</b>					
Debentures redeemed.....	17,545.08	4,627.78	3,336.90	26,000.00	124,650.30
Local sinking fund.....					
Residual surplus.....	75,446.29	26,835.91	19,133.56	65,516.27	291,616.43
Frequency standardization expense charged this year.....					
Total capital.....	92,991.37	31,463.69	22,470.46	91,516.27	416,266.73
<b>Total.....</b>	<b>274,958.88</b>	<b>59,407.31</b>	<b>55,988.87</b>	<b>152,381.91</b>	<b>861,168.79</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	81,071.64	15,985.15	16,142.48	47,978.16	273,880.40
Street lighting.....	3,249.08	1,299.93	972.00	2,490.00	10,168.06
Other.....	1,415.94		2.66	157.07	721.12
<b>Total revenue.....</b>	<b>85,736.66</b>	<b>17,285.08</b>	<b>17,117.14</b>	<b>50,625.23</b>	<b>284,769.58</b>
<b>EXPENSE</b>					
Power—purchased.....	52,435.33	10,439.49	7,675.10	34,488.74	160,980.90
—generated.....	3,300.09				
Operation and maintenance (excluding generation).....	2,789.85	1,848.94	887.35	2,408.43	24,905.53
Administration.....	4,899.00	1,335.65	1,346.83	5,023.66	21,926.45
Fixed charges—interest and principal.....	5,155.84	.63	2,808.49		18,623.90
—depreciation.....	3,805.00	820.00	925.00	2,891.00	11,526.00
—other.....	150.00	36.73			400.00
<b>Total expense.....</b>	<b>72,535.11</b>	<b>14,481.44</b>	<b>13,642.77</b>	<b>44,811.83</b>	<b>238,362.78</b>
<b>Surplus or deficit.....</b>	<b>13,201.55</b>	<b>2,803.64</b>	<b>3,474.37</b>	<b>5,813.40</b>	<b>46,406.80</b>
Number of customers.....	710	243	266	821	2,852

## Statements for the Year Ended December 31, 1955

Tara	Tavistock	Tecumseh	Teeswater	Thamesford	Thamesville	Thedford
473	1,101	3,966	906	653	1,017	676
\$ 32,313.63 7,197.31	\$ 90,385.83 22,717.98	\$ 160,377.87 45,784.91	\$ 60,424.25 11,224.68	\$ 38,951.18 7,490.98	\$ 72,182.59 15,603.17	\$ 42,071.54 4,477.58
25,116.32	67,667.85	114,592.96	49,199.57	31,460.20	56,579.42	37,593.96
6,056.19	3,974.98	13,443.53	5,574.46	3,075.42	5,889.21	3,899.03
6,000.00	.....	.....	11,000.00	.....	3,000.00	8,000.00
62.23	732.03	7,568.01	57.70	165.43	1,027.89	304.19
12,118.42	4,707.01	21,011.54	16,632.16	3,240.85	9,917.10	12,203.22
.....	281.46	9,691.18	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
.....	80.73	1,095.36	.....	.....	35.56	442.34
.....	362.19	10,786.54	.....	.....	35.56	442.34
24,709.48	120,265.54	82,705.06	36,359.96	47,223.10	49,932.29	29,025.88
<b>61,944.22</b>	<b>193,002.59</b>	<b>229,096.10</b>	<b>102,191.69</b>	<b>81,924.15</b>	<b>116,464.37</b>	<b>79,265.40</b>
.....	29,903.38	.....	.....	2,600.00	.....	.....
.....	262.17	8,786.75	.....	1,804.60	2,585.21	5.25
.....	.....	1,195.00	54.00	328.12	895.94	271.33
.....	30,165.55	9,981.75	54.00	4,732.72	3,481.15	276.58
24,709.48	120,265.54	82,705.06	36,359.96	47,223.10	49,932.29	29,025.88
.....	1,226.37	321.77	.....	7.61	137.92	.....
24,709.48	121,491.91	83,026.83	36,359.96	47,230.71	50,070.21	29,025.88
14,263.64	8,096.62	26,000.00	21,296.14	5,758.03	11,187.80	16,500.00
22,971.10	33,248.51	119,842.76	44,481.59	24,202.69	51,725.21	33,462.94
.....	.....	9,755.24	.....	.....	.....	.....
37,234.74	41,345.13	136,087.52	65,777.73	29,960.72	62,913.01	49,962.94
<b>61,944.22</b>	<b>193,002.59</b>	<b>229,096.10</b>	<b>102,191.69</b>	<b>81,924.15</b>	<b>116,464.37</b>	<b>79,265.40</b>
13,026.91	47,847.35	82,962.58	24,552.93	25,613.91	37,750.97	18,263.87
1,232.00	1,783.38	3,300.55	1,311.00	848.00	1,875.00	1,304.00
216.49	297.42	1,043.93	445.71	3.46	180.81	253.72
<b>14,475.40</b>	<b>49,928.15</b>	<b>87,307.06</b>	<b>26,309.64</b>	<b>26,465.37</b>	<b>39,806.78</b>	<b>19,821.59</b>
10,314.74	34,428.04	46,436.52	15,857.31	17,903.44	24,317.14	12,874.18
.....	.....	.....	.....	.....	.....	.....
1,135.86	6,117.12	6,289.57	1,943.82	1,083.05	3,153.24	2,081.11
561.81	2,649.18	8,840.78	2,014.05	1,228.41	2,010.04	1,652.43
4.08	1,840.06	342.01	1.98	194.50	.....	.....
908.00	2,394.00	4,685.00	1,618.00	992.00	2,055.00	966.00
.....	.....	.....	.....	.....	.....	.....
<b>12,924.49</b>	<b>47,428.40</b>	<b>66,593.88</b>	<b>21,435.16</b>	<b>21,401.40</b>	<b>31,535.42</b>	<b>17,573.72</b>
<b>1,550.91</b>	<b>2,499.75</b>	<b>20,713.18</b>	<b>4,874.48</b>	<b>5,063.97</b>	<b>8,271.36</b>	<b>2,247.87</b>
233	484	1,206	360	257	436	288

# Municipal Electrical Utilities Financial

## Southern Ontario System—Continued

Municipality.....	Thornbury	Thorndale	Thornton	Thorold	Tilbury
Population.....	1,056	334	245	7,616	3,147
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Plant and facilities at cost.....	118,230.26	23,639.69	14,581.70	422,639.19	142,535.96
Accumulated depreciation.....	9,319.64	6,630.12	8,575.77	59,990.67	43,689.37
Net fixed assets.....	108,910.62	17,009.57	6,005.93	362,648.52	98,846.59
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	5,061.06	3,914.08	2,943.65	47,257.33	.....
Investment in Government securities.....	.....	1,000.00	.....	.....	10,000.00
Accounts receivable.....	3,786.93	136.65	216.65	10,074.84	738.72
Total current assets.....	8,847.99	5,050.73	3,160.30	57,332.17	10,738.72
<b>OTHER ASSETS</b>					
Inventory of stores.....	16.40	.....	.....	20,395.85	.....
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	.....	.....	.....	97.43	245.30
Total other assets.....	16.40	.....	.....	20,493.28	245.30
Equity in Ontario Hydro systems.....	8,772.43	22,943.55	9,060.77	351,073.51	153,644.17
<b>Total.....</b>	<b>126,547.44</b>	<b>45,003.85</b>	<b>18,227.00</b>	<b>791,547.48</b>	<b>263,474.78</b>
<b>LIABILITIES</b>					
Debentures outstanding.....	30,556.18	.....	.....	116,817.40	.....
Accounts payable.....	222.34	.....	96.21	5,564.12	7,120.49
Other.....	300.00	6.00	62.50	4,976.50	184.33
Total liabilities.....	31,078.52	6.00	158.71	127,358.02	7,304.82
<b>RESERVES</b>					
Equity in Ontario Hydro systems.....	8,772.43	22,943.55	9,060.77	351,073.51	153,644.17
Other.....	.....	27.73	.....	.....	121.47
Total reserves.....	8,772.43	22,971.28	9,060.77	351,073.51	153,765.64
<b>CAPITAL</b>					
Debentures redeemed.....	55,443.82	3,086.48	7,199.65	13,182.60	14,000.00
Local sinking fund.....	.....	.....	.....	.....	.....
Residual surplus.....	31,252.67	18,940.09	1,807.87	313,172.75	88,404.32
Frequency standardization expense charged this year.....	.....	.....	.....	13,239.40	.....
Total capital.....	86,696.49	22,026.57	9,007.52	313,115.95	102,404.32
<b>Total.....</b>	<b>126,547.44</b>	<b>45,003.85</b>	<b>18,227.00</b>	<b>791,547.48</b>	<b>263,474.78</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	34,883.57	11,428.90	4,574.17	379,621.83	81,336.03
Street lighting.....	2,514.00	865.65	390.00	9,620.23	6,242.43
Other.....	67.55	30.86	1.57	59.07	1,343.10
<b>Total revenue.....</b>	<b>37,465.12</b>	<b>12,325.41</b>	<b>4,965.74</b>	<b>389,301.13</b>	<b>88,921.56</b>
<b>EXPENSE</b>					
Power—purchased.....	15,432.38	7,909.37	3,008.01	281,301.50	69,547.83
—generated.....	6,410.80	.....	.....	.....	.....
Operation and maintenance (excluding generation).....	2,907.15	1,094.24	629.61	29,012.84	8,639.69
Administration.....	2,570.55	675.80	194.67	16,660.48	8,518.75
Fixed charges—interest and principal.....	2,860.66	.....	.....	9,395.38	12.55
—depreciation.....	1,715.00	680.00	392.00	10,255.00	2,589.00
—other.....	.....	.....	.....	.....	.....
<b>Total expense.....</b>	<b>31,896.54</b>	<b>10,359.41</b>	<b>4,224.29</b>	<b>346,625.20</b>	<b>89,307.82</b>
<b>Surplus or deficit.....</b>	<b>5,568.58</b>	<b>1,966.00</b>	<b>741.45</b>	<b>42,675.93</b>	<b>386.26</b>
Number of customers.....	493	133	101	2,253	1,084

## Statements for the Year Ended December 31, 1955

Tillsonburg	Toronto	Toronto Twp.	Tottenham	Trafalgar Twp.	Trenton	Tweed
6,016	681,857	43,232	725	11,739	10,912	1,654
\$ 447,567.26 46,386.40	\$ 73,835,624.92 24,470,899.79	\$ 3,094,585.44 303,325.60	\$ 32,253.91 5,341.90	\$ 644,388.64 10,822.62	\$ 607,316.85 177,689.25	\$ 124,404.31 8,297.48
401,180.86	49,364,725.13	2,791,259.84	26,912.01	633,566.02	429,627.60	116,106.83
85,819.88	435,980.89	270,054.77	5,937.17	36.12	102,383.05	.....
.....	8,660,301.50	8,000.00	.....	.....	65,000.00	19,500.00
2,417.96	3,306,258.94	151,196.43	605.09	16,821.57	7,907.89	565.27
88,237.84	12,402,541.33	429,251.20	6,542.26	16,857.69	175,290.94	20,065.27
3,574.66	2,264,552.68	83,606.73	.....	34,170.96	17,545.99	768.93
774.83	157,095.63	46,584.94	.....	754.11	728.74	300.00
4,349.49	2,421,648.31	130,191.67	.....	34,925.07	18,274.73	1,068.93
257,981.11	55,182,279.71	558,489.43	29,652.82	74,465.79	385,060.76	42,610.70
<b>751,749.30</b>	<b>119,371,194.48</b>	<b>3,909,192.14</b>	<b>63,107.09</b>	<b>759,814.57</b>	<b>1,008,254.03</b>	<b>179,851.73</b>
146,575.66	7,855,000.00	1,366,951.91	5,880.15	323,900.26	.....	.....
1,078.67	2,668,427.45	169,289.50	.....	113,791.13	250.45	151.67
9,881.39	278,205.35	163,185.30	483.25	9,446.83	11,244.06	493.00
157,535.72	10,801,632.80	1,699,426.71	6,363.40	447,138.22	11,494.51	644.67
257,981.11	55,182,279.71	558,489.43	29,652.82	74,465.79	385,060.76	42,610.70
3,184.60	4,669,973.01	87,512.18	.....	8,313.45	.....	72.23
261,165.71	59,852,252.72	646,001.61	29,652.82	82,779.24	385,060.76	42,682.93
69,424.34	29,585,934.57	262,048.15	15,554.82	62,387.30	164,586.70	19,000.00
263,623.53	19,131,374.39	1,301,715.67	11,536.05	167,509.81	447,112.06	117,524.13
.....	.....	.....	.....	.....	.....	.....
333,047.87	48,717,308.96	1,563,763.82	27,090.87	229,897.11	611,698.76	136,524.13
<b>751,749.30</b>	<b>119,371,194.48</b>	<b>3,909,192.14</b>	<b>63,107.09</b>	<b>759,814.57</b>	<b>1,008,254.03</b>	<b>179,851.73</b>
217,081.04	30,055,362.23	1,679,022.19	17,079.12	272,790.90	383,548.11	41,477.66
14,666.38	856,677.63	44,587.75	1,447.00	743.92	15,728.52	2,613.08
3,065.69	587,991.12	5,388.65	1.89	2,641.08	4,770.41	812.77
<b>234,813.11</b>	<b>31,500,030.98</b>	<b>1,728,998.59</b>	<b>18,528.01</b>	<b>276,175.90</b>	<b>404,047.04</b>	<b>44,903.51</b>
121,461.00	17,760,373.29	935,899.38	11,070.95	139,404.01	258,180.02	26,049.28
25,606.97	3,718,293.37	97,497.47	1,546.98	33,579.83	20,932.51	3,092.73
19,990.95	3,349,103.44	93,190.83	1,097.43	24,292.25	22,461.47	4,251.13
15,229.32	647,885.60	116,471.26	837.67	24,571.41	.....	.....
10,067.00	2,500,961.45	62,828.00	814.00	10,554.00	10,863.00	2,702.00
.....	4,197.00	.....	.....	1,021.98	.....	.....
<b>192,355.24</b>	<b>27,976,617.15</b>	<b>1,310,083.94</b>	<b>15,367.03</b>	<b>233,423.48</b>	<b>312,437.00</b>	<b>36,095.14</b>
<b>42,457.87</b>	<b>3,523,413.83</b>	<b>418,914.65</b>	<b>3,160.98</b>	<b>42,752.42</b>	<b>91,610.04</b>	<b>8,808.37</b>
2,250	197,016	11,327	273	2,794	3,510	597

# Municipal Electrical Utilities Financial Southern Ontario System—Continued

Municipality.....	Uxbridge	Vankleek Hill	Victoria Harbour 958	Walkerton	Wallaceburg
Population.....	2,068	1,597	958	3,555	7,799
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$
Plant and facilities at cost.....	99,046.77	76,096.72	42,324.99	182,885.42	741,785.85
Accumulated depreciation.....	15,683.33	16,876.50	8,232.58	19,009.11	154,537.95
Net fixed assets.....	83,363.44	59,220.22	34,092.41	163,876.31	587,247.90
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	9,892.61	8,874.98	401.91	25,159.44	75.00
Investment in Government securities.....	12,500.00			34,500.00	42,000.00
Accounts receivable.....	458.96	211.11	1,135.05	2,284.11	13,556.01
Total current assets.....	22,851.57	9,086.09	1,536.96	61,943.55	55,631.01
<b>OTHER ASSETS</b>					
Inventory of stores.....	4,426.65		705.50	12,797.87	44,836.83
Sinking fund on local debentures.....					
Miscellaneous.....	7,243.81			223.00	1,996.00
Total other assets.....	11,670.46		705.50	13,020.87	46,832.83
Equity in Ontario Hydro systems.....	64,268.18	1,534.58	18,587.08	95,682.70	634,655.97
<b>Total.....</b>	<b>182,153.65</b>	<b>69,840.89</b>	<b>54,921.95</b>	<b>334,523.43</b>	<b>1,324,367.71</b>
<b>LIABILITIES</b>					
Debentures outstanding.....		43,000.00			
Accounts payable.....	1,862.69	387.38	9,000.00	210.25	33,399.98
Other.....	1,506.58			2,019.00	5,543.01
Total liabilities.....	3,369.27	43,387.38	9,000.00	2,229.25	38,942.99
<b>RESERVES</b>					
Equity in Ontario Hydro systems....	64,268.18	1,534.58	18,587.08	95,682.70	634,655.97
Other.....	210.78	2,025.00	100.00	26.85	2,757.71
Total reserves.....	64,478.96	3,559.58	18,687.08	95,709.55	637,413.68
<b>CAPITAL</b>					
Debentures redeemed.....	15,364.09	3,000.00	5,878.70	56,748.57	71,536.58
Local sinking fund.....					
Residual surplus.....	98,941.33	19,893.93	21,356.17	179,836.06	577,138.06
Frequency standardization expense charged this year.....					663.60
Total capital.....	114,305.42	22,893.93	27,234.87	236,584.63	648,011.04
<b>Total.....</b>	<b>182,153.65</b>	<b>69,840.89</b>	<b>54,921.95</b>	<b>334,523.43</b>	<b>1,324,367.71</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	57,981.06	28,669.59	16,036.53	105,048.83	416,298.86
Street lighting.....	2,451.99	1,730.67	1,098.00	5,495.12	10,194.18
Other.....	803.81	11.74	10.69	2,618.74	4,055.51
<b>Total revenue.....</b>	<b>61,236.86</b>	<b>30,412.00</b>	<b>17,145.22</b>	<b>113,162.69</b>	<b>430,548.55</b>
<b>EXPENSE</b>					
Power—purchased.....	36,960.60	10,672.52	9,256.11	68,245.23	301,078.35
—generated.....					
Operation and maintenance (excluding generation).....	5,018.10	2,113.25	2,097.86	8,618.88	29,265.16
Administration.....	4,875.38	2,431.60	1,520.64	12,392.06	27,224.36
Fixed charges—interest and principal.....		3,607.00	9.39		68.97
—depreciation.....	2,532.00	2,052.00	1,129.00	4,131.00	19,873.00
—other.....			100.00		175.14
<b>Total expense.....</b>	<b>49,386.08</b>	<b>20,876.37</b>	<b>14,113.00</b>	<b>93,387.17</b>	<b>377,684.98</b>
<b>Surplus or deficit.....</b>	<b>11,850.78</b>	<b>9,535.63</b>	<b>3,032.22</b>	<b>19,775.52</b>	<b>52,863.57</b>
Number of customers.....	785	499	421	1,242	2,702

## Statements for the Year Ended 31, 1955

Wardsville	Warkworth	Wasaga Beach	Waterdown	Waterford	Waterloo	Watford
287	507	546	1,661	1,865	15,237	1,119
\$ 18,600.67 4,873.28	\$ 28,228.51 6,774.14	\$ 132,168.25 28,422.41	\$ 86,335.36 20,728.27	\$ 72,351.75 22,492.88	\$ 1,208,494.38 234,839.96	\$ 70,915.81 21,126.02
13,727.39	21,454.37	103,745.84	65,607.09	49,858.87	973,654.42	49,789.79
1,289.95	5,055.05	40,016.47	3,384.82	3,835.43	200.00	6,528.05
1,500.00	3,000.00	.....	.....	10,000.00	.....	8,000.00
845.12	137.86	2,588.46	857.97	368.90	7,183.03	1,608.79
3,635.07	8,192.91	42,604.93	4,242.79	14,204.33	7,383.03	16,136.84
.....	.....	.....	.....	.....	46,090.47	3,035.94
.....	.....	.....	.....	.....	.....	.....
.....	55.00	49.29	187.51	20.00	72,641.50	638.05
.....	55.00	49.29	187.51	20.00	118,731.97	3,673.99
11,521.27	13,215.07	2,127.65	59,653.41	85,720.47	804,087.75	73,045.22
<b>28,883.73</b>	<b>42,917.35</b>	<b>148,527.71</b>	<b>129,690.80</b>	<b>149,803.67</b>	<b>1,903,857.17</b>	<b>142,645.84</b>
.....	.....	98,500.00	14,000.00	.....	463,500.00	.....
.....	2,863.12	564.61	78.63	275.94	106,439.01	148.45
38.00	123.68	280.00	214.28	416.99	11,140.00	582.10
38.00	2,986.80	99,344.61	14,292.91	692.93	581,079.01	730.55
11,521.27	13,215.07	2,127.65	59,653.41	85,720.47	804,087.75	73,045.22
25.22	.....	200.00	283.33	.....	4,239.83	.....
11,546.49	13,215.07	2,327.65	59,936.74	85,720.47	808,327.58	73,045.22
7,562.40	11,000.00	11,500.00	9,000.00	7,745.53	167,500.00	9,055.77
.....	.....	.....	.....	.....	.....	.....
9,736.84	15,715.48	35,355.45	50,813.57	55,644.74	346,950.58	59,963.33
.....	.....	.....	4,352.42	.....	.....	149.03
17,299.24	26,715.48	46,855.45	55,461.15	63,390.27	514,450.58	68,870.07
<b>28,883.73</b>	<b>42,917.35</b>	<b>148,527.71</b>	<b>129,690.80</b>	<b>149,803.67</b>	<b>1,903,857.17</b>	<b>142,645.84</b>
6,793.77	11,529.97	59,119.67	42,019.44	38,291.19	564,651.13	43,249.70
720.00	804.00	1,652.88	2,148.00	3,372.48	32,318.12	1,938.96
78.40	100.82	582.85	260.50	316.64	1,382.68	340.30
<b>7,592.17</b>	<b>12,434.79</b>	<b>61,355.40</b>	<b>44,427.94</b>	<b>41,980.31</b>	<b>598,351.93</b>	<b>45,528.96</b>
5,689.61	7,305.07	20,443.82	27,693.60	29,046.52	396,038.13	32,705.16
.....	.....	.....	.....	.....	.....	.....
507.52	852.53	4,192.44	4,839.90	4,736.99	38,244.73	4,118.50
409.91	717.34	5,094.99	3,266.35	2,421.02	24,662.16	4,939.64
.....	.....	9,235.32	1,304.17	.....	47,335.77	1.49
544.00	713.00	3,315.00	2,411.00	2,223.00	31,956.00	2,070.00
.....	.....	100.00	.....	.....	.....	.....
<b>7,151.04</b>	<b>9,587.94</b>	<b>42,381.57</b>	<b>39,515.02</b>	<b>38,427.53</b>	<b>538,236.79</b>	<b>43,834.79</b>
<b>441.13</b>	<b>2,846.85</b>	<b>18,973.83</b>	<b>4,912.92</b>	<b>3,552.78</b>	<b>60,115.14</b>	<b>1,694.17</b>
125	227	953	534	695	4,977	504

# Municipal Electrical Utilities Financial

## Southern Ontario System—Continued

Municipality.....	Waubashene	Welland	Wellesley	Wellington	West Lorne
Population.....	(V.A.)	16,256	650	1,067	1,050
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$
Plant and facilities at cost.....	27,957.53	1,088,373.36	33,031.53	55,727.09	83,033.98
Accumulated depreciation.....	5,997.59	340,228.94	6,801.61	21,508.06	21,742.39
Net fixed assets.....	21,959.94	748,144.42	26,229.92	34,219.03	61,291.59
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	1,610.61	53,059.23	3,428.80	3,450.10	7,918.48
Investment in Government securities.....		17,000.00	1,000.00	20,000.00	
Accounts receivable.....	1,608.23	11,551.13	192.63	289.99	1,433.63
Total current assets.....	3,218.84	81,610.36	4,621.43	23,740.09	9,352.11
<b>OTHER ASSETS</b>					
Inventory of stores.....		33,653.76		1,787.91	2,037.20
Sinking fund on local debentures.....					
Miscellaneous.....	15.87	520.02	1,018.39		213.28
Total other assets.....	15.87	34,173.78	1,018.39	1,787.91	2,250.48
Equity in Ontario Hydro systems.....	15,658.66	1,001,156.24	39,591.30	34,817.00	74,313.51
<b>Total.....</b>	<b>40,853.31</b>	<b>1,865,084.80</b>	<b>71,461.04</b>	<b>94,564.03</b>	<b>147,207.69</b>
<b>LIABILITIES</b>					
Debentures outstanding.....			5,000.00		
Accounts payable.....	70.00	6,040.57	17.50	11.20	70.86
Other.....		21,656.78	10.00	270.32	120.00
Total liabilities.....	70.00	27,697.35	5,027.50	281.52	190.86
<b>RESERVES</b>					
Equity in Ontario Hydro systems....	15,658.66	1,001,156.24	39,591.30	34,817.00	74,313.51
Other.....	175.00	748.51	177.08		65.12
Total reserves.....	15,833.66	1,001,904.75	39,768.38	34,817.00	74,378.63
<b>CAPITAL</b>					
Debentures redeemed.....	3,242.34	275,000.00	7,500.00	13,816.12	8,000.00
Local sinking fund.....					
Residual surplus.....	21,707.31	556,572.58	22,245.73	45,649.39	64,638.20
Frequency standardization expense charged this year.....		3,910.12	3,080.57		
Total capital.....	24,949.65	835,482.70	26,665.16	59,465.51	72,638.20
<b>Total.....</b>	<b>40,853.31</b>	<b>1,865,084.80</b>	<b>71,461.04</b>	<b>94,564.03</b>	<b>147,207.69</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	13,618.61	628,732.52	17,410.05	27,472.06	53,625.78
Street lighting.....	916.00	24,962.29	1,002.00	1,846.50	2,098.02
Other.....	68.78	9,334.26	41.61	798.12	3,482.12
<b>Total revenue.....</b>	<b>14,603.39</b>	<b>663,029.07</b>	<b>18,453.66</b>	<b>30,116.68</b>	<b>59,205.92</b>
<b>EXPENSE</b>					
Power—purchased.....	8,280.69	428,019.91	12,415.45	19,178.20	41,541.18
—generated.....					
Operation and maintenance (excluding generation).....	1,802.00	79,677.91	1,450.29	3,084.48	3,206.01
Administration.....	1,052.52	44,242.15	1,033.26	2,654.13	4,715.31
Fixed charges—interest and principal			194.52	10.96	
—depreciation.....	771.00	33,329.00	922.00	1,174.00	2,372.00
—other.....					
<b>Total expense.....</b>	<b>11,906.21</b>	<b>585,268.97</b>	<b>16,015.52</b>	<b>26,101.77</b>	<b>51,834.50</b>
<b>Surplus or deficit.....</b>	<b>2,697.18</b>	<b>77,760.10</b>	<b>2,438.14</b>	<b>4,014.91</b>	<b>7,371.42</b>
Number of customers.....	386	4,867	258	525	414

## Statements for the Year Ended December 31, 1955

Weston	Westport	Wheatley	Whitby	Wiaraton	Williamsburg
9,143	699	1,138	7,609	2,040	2,858
\$ 689,332.78 123,416.21	\$ 31,333.96 4,575.97	\$ 103,491.09 16,408.07	\$ 545,078.71 107,198.09	\$ 102,145.75 9,682.65	\$ 19,351.17 3,932.57
565,916.57	26,757.99	87,083.02	437,880.62	92,463.10	15,418.60
125,755.19	1,506.23	7,778.82	33,311.79	13,484.49	3,743.96
.....	5,000.00	.....	10,000.00	12,000.00	15,000.00
13,068.89	3.21	406.83	8,519.12	768.26	188.00
138,824.08	6,509.44	8,185.65	51,830.91	26,252.75	18,931.96
22,894.20	.....	93.50	16,997.12	755.47	43.40
.....	.....	.....	.....	.....	.....
.....	.....	8,731.54	59.26	.....	.....
22,894.20	.....	8,825.04	17,056.38	755.47	43.40
678,175.75	18,710.51	46,608.24	184,152.63	56,707.19	17,179.99
<b>1,405,810.60</b>	<b>51,977.94</b>	<b>150,701.95</b>	<b>690,920.54</b>	<b>176,178.51</b>	<b>51,573.95</b>
214,212.80	.....	33,565.52	100,000.00	.....	.....
5,452.50	.....	.....	20,774.80	.....	53.40
8,290.93	317.10	170.00	3,737.64	172.21	338.43
227,956.23	317.10	33,735.52	124,512.44	172.21	391.83
678,175.75	18,710.51	46,608.24	184,152.63	56,707.19	17,179.99
12,910.15	.....	44.30	6,500.00	22.81	310.82
691,085.90	18,710.51	46,652.54	190,652.63	56,730.00	17,490.81
92,532.44	15,000.00	18,434.48	76,612.50	37,400.00	2,750.00
.....	.....	.....	.....	.....	.....
431,571.90	17,950.33	51,879.41	299,142.97	81,876.30	30,941.31
37,335.87	.....	.....	.....	.....	.....
486,768.47	32,950.33	70,313.89	375,755.47	119,276.30	33,691.31
<b>1,405,810.60</b>	<b>51,977.94</b>	<b>150,701.95</b>	<b>690,920.54</b>	<b>176,178.51</b>	<b>51,573.95</b>
405,044.88	15,331.98	44,015.81	255,271.05	52,827.05	6,854.68
16,627.78	1,151.59	2,481.00	8,410.29	3,829.41	665.00
2,425.68	152.53	6.95	1,773.21	489.91	543.91
<b>424,098.34</b>	<b>16,636.10</b>	<b>46,503.76</b>	<b>265,454.55</b>	<b>57,146.37</b>	<b>8,063.59</b>
272,371.62	9,021.29	26,635.60	158,531.64	35,969.57	6,373.31
.....	.....	.....	.....	.....	.....
26,135.17	1,113.61	3,136.24	25,656.13	8,144.57	194.27
30,629.09	2,165.93	3,201.82	28,484.18	5,045.73	827.47
18,239.01	.69	3,591.98	7,975.63	.....	.....
17,575.00	741.00	2,496.00	13,216.00	2,279.00	495.00
871.00	.....	.....	.....	.....	.....
<b>365,820.89</b>	<b>13,042.52</b>	<b>39,061.64</b>	<b>233,863.58</b>	<b>51,438.87</b>	<b>7,890.05</b>
<b>58,277.45</b>	<b>3,593.58</b>	<b>7,442.12</b>	<b>31,590.97</b>	<b>5,707.50</b>	<b>173.54</b>
3,005	283	447	2,315	746	141

## Municipal Electrical Utilities Financial

## Southern Ontario System—Concluded

Municipality.....	Winchester	Windermere	Windsor	Wingham	Woodbridge
Population.....	2,641	133	127,641	2,802	1,850
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	\$	\$	\$	\$	\$
Plant and facilities at cost.....	79,134.92	25,480.11	8,674,480.91	230,871.22	111,506.46
Accumulated depreciation.....	12,953.07	7,611.64	2,785,677.44	62,398.78	24,550.76
Net fixed assets.....	66,181.85	17,868.47	5,888,803.47	168,472.44	86,955.70
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	15,769.46	8,035.24	179,887.11	6,944.03	14,530.09
Investment in Government securities.....		400.00	2,364,499.53	35,000.00	
Accounts receivable.....	391.57	103.07	457,973.24	147.86	119.91
Total current assets.....	16,161.03	8,538.31	3,002,359.88	42,091.89	14,650.00
<b>OTHER ASSETS</b>					
Inventory of stores.....			440,555.86	11,774.53	
Sinking fund on local debentures.....			146,134.14		
Miscellaneous.....		36.20	515.30	90.06	
Total other assets.....		36.20	587,205.30	11,864.59	
Equity in Ontario Hydro systems.....	60,656.94	8,797.12	8,986,732.68	123,555.68	111,134.41
<b>Total.....</b>	<b>142,999.82</b>	<b>35,240.10</b>	<b>18,465,101.33</b>	<b>345,984.60</b>	<b>212,740.11</b>
<b>LIABILITIES</b>					
Debentures outstanding.....	19,362.48		190,000.00		15,000.00
Accounts payable.....	283.20	491.13	253,843.35		1,301.16
Other.....	10.00		154,890.17	2,552.15	1,707.27
Total liabilities.....	19,655.68	491.13	598,733.52	2,552.15	18,008.43
<b>RESERVES</b>					
Equity in Ontario Hydro systems.....	60,656.94	8,797.12	8,986,732.68	123,555.68	111,134.41
Other.....			268,485.25	118.17	884.38
Total reserves.....	60,656.94	8,797.12	9,255,217.93	123,673.85	112,018.79
<b>CAPITAL</b>					
Debentures redeemed.....	9,843.58	11,237.65	2,393,832.05	81,155.39	8,499.97
Local sinking fund.....			146,134.14		
Residual surplus.....	52,843.62	14,714.20	6,482,046.79	138,603.21	74,212.92
Frequency standardization expense charged this year.....			410,863.10		
Total capital.....	62,687.20	25,951.85	8,611,149.88	219,758.60	82,712.89
<b>Total.....</b>	<b>142,999.82</b>	<b>35,240.10</b>	<b>18,465,101.33</b>	<b>345,984.60</b>	<b>212,740.11</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	43,307.71	8,093.15	4,926,972.97	89,269.15	102,451.63
Street lighting.....	1,834.00	340.00	206,478.26	4,314.88	2,305.25
Other.....	46.70	13.99	102,869.28	3,496.14	30.26
<b>Total revenue.....</b>	<b>45,188.41</b>	<b>8,447.14</b>	<b>5,236,320.51</b>	<b>97,080.17</b>	<b>104,787.14</b>
<b>EXPENSE</b>					
Power—purchased.....	32,749.36	3,735.69	2,850,994.93	60,288.38	75,811.64
—generated.....				1,753.64	
Operation and maintenance (excluding generation).....	1,363.17	722.05	670,142.10	9,081.52	1,713.82
Administration.....	2,131.84	641.41	342,732.00	10,879.42	5,407.00
Fixed charges—interest and principal.....	1,542.29		10,030.00	22.45	936.85
—depreciation.....	1,941.00	791.00	248,195.00	6,473.00	3,008.00
—other.....			2,500.00		
<b>Total expense.....</b>	<b>39,727.66</b>	<b>5,890.15</b>	<b>4,124,594.03</b>	<b>88,498.41</b>	<b>86,877.31</b>
<b>Surplus or deficit.....</b>	<b>5,460.75</b>	<b>2,556.99</b>	<b>1,111,726.48</b>	<b>8,581.76</b>	<b>17,909.83</b>
Number of customers.....	511	118	36,140	997	682

Statements for the Year Ended December 31, 1955

Woodstock	Woodville	Wyoming	York Twp.	Zurich	TOTAL SOUTHERN ONTARIO SYSTEM
17,068	420	783	113,289	634	
\$	\$	\$	\$	\$	\$
1,334,399.26	16,702.39	46,227.55	4,963,104.35	32,206.34	255,063,727.63
352,783.32	3,488.14	10,650.32	1,356,104.33	4,479.21	59,511,308.58
981,615.94	13,214.25	35,577.23	3,607,000.02	27,727.13	195,552,419.05
8,232.32	559.84	1,223.03	307,170.74	22.43	8,596,278.53
133,000.00	3,000.00	1,400.00	204,000.00	2,500.00	16,438,669.04
13,846.10	216.60	1,417.23	237,653.54	173.73	9,568,421.71
155,078.42	3,776.44	4,040.26	748,824.28	2,696.16	34,603,369.28
822.60	.....	.....	94,371.50	.....	7,475,719.08
.....	.....	.....	.....	.....	146,134.14
735.05	100.00	.....	1,564.46	415.80	2,299,529.47
1,557.65	100.00	.....	95,935.96	415.80	9,921,382.69
1,162,135.89	24,262.05	24,381.49	2,499,765.70	35,674.50	157,586,902.10
<b>2,300,387.90</b>	<b>41,352.74</b>	<b>63,998.98</b>	<b>6,951,525.96</b>	<b>66,513.59</b>	<b>397,664,073.12</b>
202,602.26	.....	.....	.....	.....	47,511,628.52
7,388.39	1,537.85	360.09	202,667.06	500.00	10,211,676.06
11,428.79	10.00	113.89	311,840.42	10.00	3,237,890.26
221,419.44	1,547.85	473.98	514,507.48	510.00	60,961,194.84
1,162,135.89	24,262.05	24,381.49	2,499,765.70	35,674.50	157,586,902.10
9,850.25	481.67	67.69	45,431.34	.....	7,293,342.41
1,171,986.14	24,743.72	24,449.18	2,545,197.04	35,674.50	164,880,244.51
224,783.37	5,248.09	9,700.00	489,374.65	5,591.61	64,553,318.58
.....	.....	.....	.....	.....	146,134.14
682,198.95	9,813.08	29,375.82	3,653,524.25	24,737.48	108,437,922.92
.....	.....	.....	251,077.46	.....	1,314,741.87
906,982.32	15,061.17	39,075.82	3,891,821.44	30,329.09	171,822,633.77
<b>2,300,387.90</b>	<b>41,352.74</b>	<b>63,998.98</b>	<b>6,951,525.96</b>	<b>66,513.59</b>	<b>397,664,073.12</b>
767,722.37	8,866.62	19,044.13	2,772,899.11	17,704.56	119,671,512.62
19,259.56	827.24	1,157.00	82,462.70	1,428.00	4,083,893.48
4,483.77	164.43	50.75	7,930.77	77.82	1,419,843.84
<b>791,465.70</b>	<b>9,858.29</b>	<b>20,251.88</b>	<b>2,863,292.58</b>	<b>19,210.38</b>	<b>125,175,249.94</b>
517,615.10	6,937.83	12,731.13	1,661,912.22	13,120.16	76,070,486.62
.....	.....	.....	.....	.....	432,492.22
69,650.28	1,640.04	601.60	191,718.49	971.11	11,436,730.58
40,571.12	1,010.07	1,089.16	218,995.99	1,986.34	9,457,053.70
36,678.48	.....	11.59	.....	97.97	3,990,896.97
37,260.00	439.00	1,257.00	140,090.00	782.00	6,901,999.76
.....	.....	.....	6,932.25	.....	133,826.09
<b>701,774.98</b>	<b>10,026.94</b>	<b>15,690.48</b>	<b>2,219,648.95</b>	<b>16,957.58</b>	<b>108,423,485.94</b>
<b>89,690.72</b>	<b>168.65</b>	<b>4,561.40</b>	<b>643,643.63</b>	<b>2,252.80</b>	<b>16,751,764.00</b>
5,948	180	299	34,129	281	1,032,146

## Municipal Electrical Utilities Financial

## Northern Ontario Properties

Municipality.....	Cache Bay	Capreol	Chapleau Twp. 3,178	Cochrane	Dryden
Population.....	875	2,161		3,700	4,424
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
Plant and facilities at cost.....	46,145.43	119,272.80	74,821.28	296,180.33	248,406.58
Accumulated depreciation.....	4,659.00	22,265.45	470.95	39,062.11	58,993.90
Net fixed assets.....	41,486.43	97,007.35	74,350.33	257,118.22	189,412.68
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	4,338.13	15,651.45	3,576.79	10,405.87	9,709.25
Investment in Government securities.....					
Accounts receivable.....	181.97	429.47	9,058.13	8,250.46	2,014.50
Total current assets.....	4,520.10	16,080.92	12,634.92	18,656.33	11,723.75
<b>OTHER ASSETS</b>					
Inventory of stores.....	10.28			5,698.14	
Sinking fund on local debentures.....					
Miscellaneous.....			4,516.68	830.23	1,628.51
Total other assets.....	10.28		4,516.68	6,528.37	1,628.51
Equity in Ontario Hydro systems.....					7,770.91
<b>Total.....</b>	<b>46,016.81</b>	<b>113,088.27</b>	<b>91,501.93</b>	<b>282,302.92</b>	<b>210,535.85</b>
<b>LIABILITIES</b>					
Debentures outstanding.....	18,000.00	43,400.00	83,000.00	89,250.00	95,000.67
Accounts payable.....		2,168.68	10,944.75	23,563.93	7,317.99
Other.....	110.00	845.00	40.00	9,248.69	11,500.38
Total liabilities.....	18,110.00	46,413.68	93,984.75	122,062.62	113,819.04
<b>RESERVES</b>					
Equity in Ontario Hydro systems.....					7,770.91
Other.....	48.79	133.12	248.35	564.54	2,398.49
Total reserves.....	48.79	133.12	248.35	564.54	10,169.40
<b>CAPITAL</b>					
Debentures redeemed.....	10,000.00	25,600.00	2,000.00	15,750.00	31,429.33
Local sinking fund.....					
Residual surplus.....	17,858.02	40,941.47	4,731.17	143,925.76	55,118.08
Frequency standardization expense charged this year.....					
Total capital.....	27,858.02	66,541.47	2,731.17	159,675.76	86,547.41
<b>Total.....</b>	<b>46,016.81</b>	<b>113,088.27</b>	<b>91,501.93</b>	<b>282,302.92</b>	<b>210,535.85</b>
<b>B. OPERATING STATEMENTS</b>			4 months' operation		
<b>REVENUE</b>					
Domestic, commercial, power.....	31,520.85	66,472.03	27,601.11	128,662.73	139,447.35
Street lighting.....	1,103.00	3,507.47	969.20	6,629.80	5,705.00
Other.....	16.49	203.39	89.66		651.11
<b>Total revenue.....</b>	<b>32,640.34</b>	<b>70,182.89</b>	<b>28,659.97</b>	<b>135,292.53</b>	<b>145,803.46</b>
<b>EXPENSE</b>					
Power—purchased.....	22,038.74	43,695.61	26,872.02	63,807.11	83,225.44
—generated.....					
Operation and maintenance (exclud- ing generation).....	867.13	6,023.67	1,497.95	19,917.79	16,740.74
Administration.....	1,743.39	6,884.35	2,379.65	18,568.36	14,660.38
Fixed charges—interest and principal	2,808.39	3,960.70	2,170.57	10,683.24	6,547.74
—depreciation.....	1,007.00	2,953.08	470.95	6,926.05	6,298.00
—other.....					1,917.17
<b>Total expense.....</b>	<b>28,464.65</b>	<b>63,517.41</b>	<b>33,391.14</b>	<b>119,902.55</b>	<b>129,389.47</b>
<b>Surplus or deficit.....</b>	<b>4,175.69</b>	<b>6,665.48</b>	<b>4,731.17</b>	<b>15,389.98</b>	<b>16,413.99</b>
Number of customers.....	199	729	852	1,174	1,344

## Statements for the Year Ended December 31, 1955

Fort William	Hearst	Kapuskasing	Larder Lake Twp.	Latchford	Massey	McGarry	Nipigon Twp.
39,293	2,336	5,606	1,923	514	1,026	2,496	2,294
\$	\$	\$	\$	\$	\$	\$	\$
2,505,211.14	209,008.67	215,528.17	53,296.52	23,766.73	47,427.97	59,260.38	102,463.78
539,800.18	21,765.64	12,428.61	18,445.36	2,681.53	2,528.95	8,465.39	14,728.37
1,965,410.96	187,243.03	203,099.56	34,851.16	21,085.20	44,899.02	50,794.99	87,735.41
69,855.07	50,123.35	63,906.58	9,380.19	2,606.05	5,598.20	.....	3,965.77
270,800.00	.....	.....	.....	.....	.....	.....	10,000.00
99,459.11	784.14	3,218.03	1,102.97	25.83	2,587.16	151.57	5,599.54
440,114.18	50,907.49	67,124.61	10,483.16	2,631.88	8,185.36	151.57	19,565.31
115,019.38	124.80	6,362.02	.....	.....	.....	.....	147.94
237,616.68	.....	.....	.....	.....	.....	.....	.....
5,707.28	.....	671.04	.....	.....	.....	.....	.....
358,343.34	124.80	7,033.06	.....	.....	.....	.....	147.94
3,225,749.35	.....	.....	.....	.....	.....	.....	55,368.11
<b>5,989,617.83</b>	<b>238,275.32</b>	<b>277,257.23</b>	<b>45,334.32</b>	<b>23,717.08</b>	<b>53,084.38</b>	<b>50,946.56</b>	<b>162,816.77</b>
606,000.00	125,600.00	61,604.90	12,000.00	5,700.00	43,800.00	10,000.00	.....
89,135.14	630.00	1,119.16	512.43	.....	1,622.88	3,638.52	65.20
62,082.51	3,598.12	8,685.50	5,411.79	235.31	95.00	4,366.05	1,504.64
757,217.65	129,828.12	71,409.56	17,924.22	5,935.31	45,517.88	18,004.57	1,569.84
3,225,749.35	.....	.....	.....	.....	.....	.....	55,368.11
6,380.99	4,922.17	97.26	141.37	12.20	.....	.....	.....
3,232,130.34	4,922.17	97.26	141.37	12.20	.....	.....	55,368.11
208,209.11	14,400.00	28,874.42	6,000.00	14,300.00	1,200.00	4,000.00	10,000.00
237,616.68	.....	.....	.....	.....	.....	.....	.....
1,554,444.05	89,125.03	176,875.99	21,268.73	3,469.57	6,366.50	28,941.99	95,878.82
.....	.....	.....	.....	.....	.....	.....	.....
2,000,269.84	103,525.03	205,750.41	27,268.73	17,769.57	7,566.50	32,941.99	105,878.82
<b>5,989,617.83</b>	<b>238,275.32</b>	<b>277,257.23</b>	<b>45,334.32</b>	<b>23,717.08</b>	<b>53,084.38</b>	<b>50,946.56</b>	<b>162,816.77</b>
1,311,839.13	92,783.94	170,072.65	35,102.40	11,896.54	23,190.79	39,576.35	47,416.77
44,716.20	2,208.00	5,747.22	2,423.26	555.00	1,425.00	1,770.50	2,413.00
26,014.09	.....	197.86	.....	.....	.....	.....	573.29
<b>1,382,569.42</b>	<b>94,991.94</b>	<b>176,017.73</b>	<b>37,525.66</b>	<b>12,451.54</b>	<b>24,615.79</b>	<b>41,346.85</b>	<b>50,403.06</b>
860,156.35	33,455.00	94,929.24	25,811.80	5,941.24	7,985.20	30,103.14	24,949.74
141,877.63	8,555.84	15,701.64	3,689.50	409.31	2,654.09	891.77	5,700.33
78,189.46	6,337.11	18,629.44	4,604.33	775.27	2,997.97	4,115.25	5,482.88
48,844.84	10,074.00	8,031.99	1,602.00	1,148.00	3,900.00	1,440.00	.....
66,190.00	3,454.32	4,275.07	1,685.02	533.53	933.95	1,527.72	2,437.00
.....	.....	.....	.....	.....	.....	.....	.....
<b>1,195,258.28</b>	<b>61,876.27</b>	<b>141,567.38</b>	<b>37,392.65</b>	<b>8,807.35</b>	<b>18,471.21</b>	<b>38,077.88</b>	<b>38,569.95</b>
<b>187,311.14</b>	<b>33,115.67</b>	<b>34,450.35</b>	<b>133.01</b>	<b>3,644.19</b>	<b>6,144.58</b>	<b>3,268.97</b>	<b>11,833.11</b>
11,721	705	1,539	534	152	288	432	611

# Municipal Electrical Utilities Financial Northern Ontario Properties—Concluded

Municipality.....	North Bay	Port Arthur	Red Rock	Schreiber Twp. 1,952	Sioux Lookout 2,222
Population.....	21,239	36,522	1,795		
<b>A. BALANCE SHEETS</b>					
<b>FIXED ASSETS</b>					
	\$	\$	\$	\$	\$
Plant and facilities at cost.....	1,058,575.50	3,342,563.42	71,424.24	97,147.20	145,906.21
Accumulated depreciation.....	273,314.06	1,283,949.68	8,484.44	9,679.78	15,073.15
Net fixed assets.....	785,261.44	2,058,613.74	62,939.80	87,467.42	130,833.06
<b>CURRENT ASSETS</b>					
Cash on hand and in bank.....	6,207.24	178,522.00	2,297.62	22,834.09	25.00
Investment in Government securities.....		588,000.00			5,000.00
Accounts receivable.....	19,570.88	111,627.91	509.10	310.65	3,206.36
Total current assets.....	25,778.12	878,149.91	2,806.72	23,144.74	8,231.36
<b>OTHER ASSETS</b>					
Inventory of stores.....	44,468.26	141,453.47			11,751.83
Sinking fund on local debentures.....					
Miscellaneous.....	7,063.77	828.50	1,738.30	117.93	
Total other assets.....	51,532.03	142,281.97	1,738.30	117.93	11,751.83
Equity in Ontario Hydro systems.....		6,297,426.73	18,040.12	20,610.31	
<b>Total.....</b>	<b>862,571.59</b>	<b>9,376,472.35</b>	<b>85,524.94</b>	<b>131,340.40</b>	<b>150,816.25</b>
<b>LIABILITIES</b>					
Debentures outstanding.....	317,000.00		21,060.00	6,000.00	
Accounts payable.....	1,923.01	163,974.53	55.09	57.91	9,303.25
Other.....	62,198.90				4,031.45
Total liabilities.....	381,121.91	163,974.53	21,115.09	6,057.91	13,334.70
<b>RESERVES</b>					
Equity in Ontario Hydro systems.....		6,297,426.73	18,040.12	20,610.31	
Other.....	20,010.39	317,760.92			
Total reserves.....	20,010.39	6,615,187.65	18,040.12	20,610.31	
<b>CAPITAL</b>					
Debentures redeemed.....	243,157.68	626,317.40	10,140.00	44,000.00	
Local sinking fund.....					
Residual surplus.....	218,281.61	1,970,992.77	36,229.73	60,672.18	137,481.55
Frequency standardization expense charged this year.....					
Total capital.....	461,439.29	2,597,310.17	46,369.73	104,672.18	137,481.55
<b>Total.....</b>	<b>862,571.59</b>	<b>9,376,472.35</b>	<b>85,524.94</b>	<b>131,340.40</b>	<b>150,816.25</b>
<b>B. OPERATING STATEMENTS</b>					
<b>REVENUE</b>					
Domestic, commercial, power.....	571,073.16	1,311,438.14	27,953.49	40,765.53	92,654.62
Street lighting.....	17,611.79	41,224.50	1,419.00	3,063.00	6,734.37
Other.....		3,813.77	16.43	211.27	345.32
<b>Total revenue.....</b>	<b>588,684.95</b>	<b>1,356,476.41</b>	<b>29,388.92</b>	<b>44,039.80</b>	<b>99,734.31</b>
<b>EXPENSE</b>					
Power—purchased.....	391,110.19	925,712.44	15,997.18	23,546.09	63,840.02
—generated.....		27,102.23			
Operation and maintenance (exclud- ing generation).....	54,087.44	111,284.96	2,005.00	4,571.59	10,011.82
Administration.....	70,931.03	69,817.67	2,615.16	6,017.28	10,160.33
Fixed charges—interest and principal	18,630.24		2,174.58	3,624.50	39.05
—depreciation.....	17,781.00	85,962.67	1,618.00	2,223.00	2,974.00
—other.....	3,877.71	4,500.00			
<b>Total expense.....</b>	<b>556,417.61</b>	<b>1,224,379.97</b>	<b>24,409.92</b>	<b>39,982.46</b>	<b>87,025.22</b>
<b>Surplus or deficit.....</b>	<b>32,267.34</b>	<b>132,096.44</b>	<b>4,979.00</b>	<b>4,057.34</b>	<b>12,709.09</b>
Number of customers.....	6,161	11,569	303	539	910

## Statements for the Year Ended December 31, 1955

Sturgeon Falls	Sudbury	Terrace Bay	Webbwood	West Ferris Twp.	TOTAL NORTHERN ONTARIO PROPERTIES	TOTAL ALL SYSTEMS
5,598	47,057	1,789	470	3,485		
\$ 199,983.65 36,026.73	\$ 2,718,414.71 473,217.76	\$ 141,742.41 18,104.00	\$ 21,653.03 1,159.86	\$ 228,824.17 36,497.43	\$ 12,027,024.32 2,901,802.33	\$ 267,090,751.95 62,413,110.91
163,956.92	2,245,196.95	123,638.41	20,493.17	192,326.74	9,125,221.99	204,677,641.04
38,636.70	145,123.09	23,923.92	14,842.27	.....	681,528.63	9,277,807.16
.....	50,000.00	30,000.00	.....	.....	953,800.00	17,392,469.04
20,680.83	79,166.17	236.53	1,194.87	1,615.48	370,981.66	9,939,403.37
59,317.53	274,289.26	54,160.45	16,037.14	1,615.48	2,006,310.29	36,609,679.57
.....	97,583.67	.....	.....	2,127.20	424,746.99	7,900,466.07
.....	.....	.....	.....	.....	237,616.68	383,750.82
676.45	.....	.....	.....	.....	23,778.69	2,323,308.16
676.45	97,583.67	.....	.....	2,127.20	686,142.36	10,607,525.05
.....	.....	39,053.38	.....	.....	9,664,018.91	167,250,921.01
<b>223,950.90</b>	<b>2,617,069.88</b>	<b>216,852.24</b>	<b>36,530.31</b>	<b>196,069.42</b>	<b>21,481,693.55</b>	<b>419,145,766.67</b>
97,000.00	411,178.13	58,500.00	29,184.46	132,000.00	2,265,278.16	49,776,906.68
.....	13,633.40	14.00	3,360.80	29,805.14	362,845.81	10,574,521.87
7,759.39	69,333.40	.....	52.50	4,157.66	255,256.29	3,493,146.55
104,759.39	494,144.93	58,514.00	32,597.76	165,962.80	2,883,380.26	63,844,575.10
.....	.....	39,053.38	.....	.....	9,664,018.91	167,250,921.01
289.02	119,101.86	.....	.....	25.69	472,135.16	7,765,477.57
289.02	119,101.86	39,053.38	.....	25.69	10,136,154.07	175,016,398.58
3,000.00	606,160.40	19,500.00	815.54	10,500.00	1,935,353.88	66,488,672.46
115,902.49	1,397,662.69	99,784.86	3,117.01	19,580.93	237,616.68	383,750.82
.....	.....	.....	.....	.....	6,289,188.66	114,727,111.58
.....	.....	.....	.....	.....	.....	1,314,741.87
118,902.49	2,003,823.09	119,284.86	3,932.55	30,080.93	8,462,159.22	180,284,792.99
<b>223,950.90</b>	<b>2,617,069.88</b>	<b>216,852.24</b>	<b>36,530.31</b>	<b>196,069.42</b>	<b>21,481,693.55</b>	<b>419,145,766.67</b>
109,928.60	1,370,639.46	54,817.68	10,638.00	105,963.47	5,821,454.79	125,492,967.41
11,024.04	66,944.62	3,131.37	948.90	2,162.94	233,437.18	4,317,330.66
197.59	3,288.88	1,662.26	.....	73.60	37,355.01	1,457,198.85
<b>121,150.23</b>	<b>1,440,872.96</b>	<b>59,611.31</b>	<b>11,586.90</b>	<b>108,200.01</b>	<b>6,092,246.98</b>	<b>131,267,496.92</b>
58,263.21	822,649.33	30,859.70	3,551.07	50,911.89	3,709,411.75	79,779,898.37
.....	.....	.....	.....	.....	27,102.23	459,594.45
13,659.31	209,904.68	1,380.53	528.88	7,927.53	639,889.13	12,076,619.71
16,555.97	83,308.82	4,083.62	1,393.92	9,499.81	439,751.45	9,896,805.15
8,373.94	69,412.89	6,133.43	2,615.54	13,764.19	225,979.83	4,216,876.80
5,122.81	67,462.12	3,273.00	424.86	5,961.65	291,494.80	7,193,494.56
.....	.....	.....	.....	.....	10,294.88	144,120.97
<b>101,975.24</b>	<b>1,252,737.84</b>	<b>45,730.28</b>	<b>8,514.27</b>	<b>88,065.07</b>	<b>5,343,924.07</b>	<b>113,767,410.01</b>
<b>19,174.99</b>	<b>188,135.12</b>	<b>13,881.03</b>	<b>3,072.63</b>	<b>20,134.94</b>	<b>748,322.91</b>	<b>17,500,086.91</b>
1,420	14,670	391	124	1,322	57,689	1,089,835

## INTRODUCTION TO STATEMENT "C" AND STATEMENT "D"

Of the 373 municipal distribution systems mentioned at the beginning of this section, 343 are operated by municipal electrical utilities, 327 purchasing power from Ontario Hydro under cost contracts and 16 making their purchases under fixed-rate contracts. The remaining 30 distribution systems are owned and operated by The Hydro-Electric Power Commission of Ontario. These are indicated in the following two statements by the symbol †. Under The Power Commission Act the rates to customers served by the municipal distribution systems are subject to the approval and control of the Commission. (R.S.O. 1950, c. 281, s. 104.)

### STATEMENT "C"

Statement "C" is the schedule of resale rates for domestic, commercial, and power service in the municipal distribution systems supplied by the Commission.

#### **Description of Classes of Service**

Domestic rates are applicable to all electrical service for domestic or household purposes, with the exception of space heating and flat-rate water-heaters. The account for normal domestic service consists of a monthly block of kilowatt-hours billed at a rate per kilowatt-hour, with all remaining kilowatt-hours billed at a second kilowatt-hour rate. The account is subject to a minimum monthly charge and to a prompt payment discount of 10 per cent. For comparative purposes, net monthly bills are shown for metered energy consumptions of 100, 300, and 500 kilowatt-hours per month.

The customer may choose to pay at regular rates for energy used in electric water-heaters by including his water-heater with his metered load. The water-heater rates shown in Statement "C", however, are applicable to unmetered flat-rate service to electric water-heaters. The account consists of a monthly rate per 100 watts of heater capacity. The flat-rate water-heater load in many municipalities is subject to peak-load control by the utility.

Commercial rates are applicable to all electrical service supplied to stores, offices, churches, schools, public buildings, institutions, hospitals, hotels, restaurants, service stations, and other premises used for commercial purposes. The commercial rates are also used for billing sign and display lighting. Commercial accounts consist of a monthly demand rate (with a minimum) applied to the customer's billing demand, plus an energy rate per kilowatt-hour for a block of kilowatt-hours based on 100 hours' monthly use of the billing demand, all remaining monthly kilowatt-hours being billed at a second energy rate. For example, a commercial service customer with a demand of one kilowatt is billed for 100 kilowatt-hours at the first energy rate, while a customer with a demand of ten kilowatts is billed for 1,000 kilowatt-hours at the first energy rate. The account is subject to a minimum monthly charge and to a prompt payment discount of 10 per cent. The net monthly bills shown are calculated on the basis of a demand of one kilowatt for a use per month of 100, 200, and 300 hours.

The rate schedules for power service in Statement "C" are for 24-hour unrestricted power at secondary distribution voltage. Like the domestic and

commercial service rates, they cover retail supply to customers of the municipal utilities and local systems. They do not apply to certain large power customers served directly by the Commission.

The power service account consists of a monthly demand rate applied to the customer's billing demand, plus an energy rate per kilowatt-hour for a block of kilowatt-hours equal to 50 hours' monthly use of the billing demand, plus a second energy rate for the next block of kilowatt-hours equal to 50 hours' monthly use of the billing demand, all remaining monthly kilowatt-hours being billed at a third energy rate. The account is subject to a prompt payment discount of 10 per cent. Customers providing their own step-down transformation are granted on the basis of their billing demand an allowance of 27¢ per kilowatt per month gross for service at subtransmission voltage and 17¢ per kilowatt per month gross for service at primary distribution voltage. The net monthly bills shown are calculated on the same basis as for commercial service, that is, one kilowatt of demand for a monthly use of 100, 200, and 300 hours.

#### STATEMENT "D"

Statement "D" records revenue, consumption, number of customers, average consumption per customer, and average cost per kilowatt-hour for each of the three main classes of service in all the municipal systems served. The revenue and estimated consumption from the use of flat-rate water-heaters are included in the totals shown.

The average cost per kilowatt-hour shown is the average cost to the customer, that is, the average revenue per kilowatt-hour received by the utility. This average may rise with an increase in rates but the ever-increasing use of electric energy counters such a rise. Such a statistical average does not represent the utility's actual cost of delivering one kilowatt-hour. However, a comparison of this average over a number of years is some indication of the trend of cost in any one municipality, and the trend in all municipal systems may be seen in the table on page 94 and the graph on page 95.

A feature of domestic service in Ontario is the high consumption per customer which reflects the generous use of a variety of electrical appliances, including flat-rate water-heaters. The incentive feature in the rate schedules which encourages such generous use is in turn reflected in the low average costs per kilowatt-hour.

For power service customers, the relationship between demand and energy is an important factor in establishing the individual's average cost per kilowatt-hour. The use of the demand for only a few hours will result in a relatively small total bill but a high average cost per kilowatt-hour; the use of the same demand for several hours will increase the total bill but substantially reduce the average cost per kilowatt-hour.

The utilities in Statement "D" have been listed alphabetically in three divisions to include those serving municipalities with roughly comparable populations. The population in each instance is the assessed population of the municipality or municipalities served by the utility named.

# Municipal Electrical RATES AND TYPICAL BILLS in effect

Rates are quoted on a monthly basis and  
a minimum

Municipality	Flat-rate water-heaters per 100 watts	Number of kwh supplied in first block	DOMESTIC SERVICE				
			Rate per kwh for		Net monthly bill for		
			First block of kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	\$	\$	\$
Acton.....	45	60	3.2	1.3	2.20	4.54	6.88
Ailsa Craig.....	51	60	3.2	1.2	2.16	4.32	6.48
†Ajax.....	39	60	4.0	1.5	2.70	5.40	8.10
Alexandria.....	44	60	2.6	1.0	1.76	3.56	5.36
Alfred.....	45	60	5.0	2.0	3.42	7.02	10.62
Alliston.....	43	60	3.1	1.0	2.03	3.83	5.63
Almonte.....	37	60	2.5	1.0	1.71	3.51	5.31
Alvinston.....	54	60	3.5	1.0	2.25	4.05	5.85
Amherstburg.....	51	60	3.5	1.2	2.32	4.48	6.64
Ancaster Twp. (including Ancaster).....	43	60	4.2	1.2	2.70	4.86	7.02
Apple Hill.....	56	60	4.0	1.0	2.52	4.32	6.12
Arkona.....	51	60	4.4	1.2	2.81	4.97	7.13
Arnprior.....	42	60	2.9	1.0	1.93	3.73	5.53
Arthur.....	45	60	3.3	1.2	2.21	4.37	6.53
Athens.....	40	60	2.0	1.0	1.44	3.24	5.04
†Atikokan Twp.....	43	60	4.4	1.5	2.92	5.62	8.32
Aurora.....	42	60	2.7	1.1	1.85	3.83	5.81
Aylmer.....	45	60	2.5	1.0	1.71	3.51	5.31
Ayr.....	44	60	3.1	1.2	2.11	4.27	6.43
Baden.....	42	60	3.3	1.3	2.25	4.59	6.93
†Bala.....	36	a50	3.7	1.2	2.50	4.96	7.12
Bancroft.....	53	60	3.5	1.3	2.36	4.70	7.04
Barrie.....	40	60	2.4	1.0	1.66	3.46	5.26
Barry's Bay.....	47	60	4.7	1.6	3.11	5.99	8.87
Bath.....	40	60	3.5	1.2	2.32	4.48	6.64
Beachville.....	46	60	3.3	1.4	2.29	4.81	7.33
Beamsville.....	43	60	2.7	1.2	1.89	4.05	6.21
†Beardmore.....	43	60	4.4	1.5	2.92	5.62	8.32
Beaverton.....	45	60	2.8	1.2	1.94	4.10	6.26
Beeton.....	50	60	3.8	1.2	2.48	4.64	6.80
Belle River.....	45	60	4.0	1.4	2.66	5.18	7.70
Belleville.....	35	60	1.8	0.8	1.26	2.70	4.14
Blenheim.....	48	60	2.9	1.2	2.00	4.16	6.32
†Blind River.....	50	60	4.0	1.5	2.70	5.40	8.10
Bloomfield.....	54	60	2.5	0.9	1.67	3.29	4.91
Blyth.....	47	60	2.9	1.1	1.96	3.94	5.92
Bobcaygeon.....	40	60	3.4	1.2	2.27	4.43	6.59
Bolton.....	46	60	3.0	1.1	2.02	4.00	5.98
Bothwell.....	52	60	2.6	1.0	1.76	3.56	5.36
Bowmanville.....	40	60	3.0	1.0	1.98	3.78	5.58

†Local system.

See explanatory notes on pages 182 and 183.

# Utilities and Local Systems FOR ELECTRICAL SERVICE

December 31, 1955

are subject to 10% prompt payment discount  
monthly charge

COMMERCIAL SERVICE					POWER SERVICE						
Demand rate per 100 watts 5.0 cents, minimum 50 cents		Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand			Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand		100 hours	200 hours	300 hours		First 50 hours	Next 50 hours	All addi- tional hours	100 hours	200 hours	300 hours
First 100 hours	All addi- tional hours										
¢	¢	\$	\$	\$	\$	¢	¢	¢	\$	\$	\$
2.7	1.2	2.88	3.96	5.04	1.35	2.2	1.4	0.33	2.83	3.13	3.43
2.7	1.0	2.88	3.78	4.68	1.35	2.5	1.6	0.33	3.06	3.36	3.65
3.5	1.3	3.60	4.77	5.94	1.35	2.3	1.5	0.33	2.92	3.22	3.52
2.2	0.8	2.43	3.15	3.87	1.35	2.3	1.5	0.33	2.92	3.22	3.52
4.5	2.0	4.50	6.30	8.10	1.35	2.5	1.6	0.33	3.06	3.36	3.65
2.6	1.0	2.79	3.69	4.59	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.3	1.0	2.52	3.42	4.32	1.20	1.4	0.9	0.30	2.11	2.38	2.65
3.0	0.9	3.15	3.96	4.77	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.9	0.8	3.06	3.78	4.50	1.35	2.5	1.6	0.33	3.06	3.36	3.65
3.6	1.0	3.69	4.59	5.49	1.35	2.9	1.9	0.33	3.37	3.67	3.97
3.5	1.0	3.60	4.50	5.40	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.9	1.0	3.96	4.86	5.76	1.35	4.1	2.7	0.33	4.27	4.57	4.87
2.6	1.0	2.79	3.69	4.59	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.8	1.0	2.97	3.87	4.77	1.35	2.0	1.3	0.33	2.70	3.00	3.29
1.5	0.8	1.80	2.52	3.24	1.20	1.9	1.3	0.30	2.52	2.79	3.06
3.9	1.5	3.96	5.31	6.66	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.0	0.8	2.25	2.97	3.69	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.0	0.7	2.25	2.88	3.51	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.6	1.1	2.79	3.78	4.77	1.35	2.2	1.4	0.33	2.83	3.13	3.43
2.7	1.1	2.88	3.87	4.86	1.35	2.0	1.3	0.33	2.70	3.00	3.29
3.7	0.8	3.78	4.50	5.22	1.20	1.4	0.9	0.30	2.11	2.38	2.65
3.0	1.2	3.15	4.23	5.31	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.0	0.8	2.25	2.97	3.69	1.00	1.4	0.9	0.25	1.93	2.16	2.38
4.0	1.5	4.05	5.40	6.75	1.35	3.1	2.0	0.33	3.51	3.81	4.10
3.0	1.2	3.15	4.23	5.31	1.35	3.5	2.3	0.33	3.82	4.12	4.42
2.8	1.2	2.97	4.05	5.13	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.3	1.1	2.52	3.51	4.50	1.20	1.9	1.3	0.30	2.52	2.79	3.06
3.9	1.5	3.96	5.31	6.66	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.2	1.0	2.43	3.33	4.23	1.35	2.0	1.3	0.33	2.70	3.00	3.29
3.4	1.2	3.51	4.59	5.67	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.4	1.1	3.51	4.50	5.49	1.35	3.2	2.1	0.33	3.60	3.90	4.19
1.6	0.6	1.89	2.43	2.97	1.00	1.3	0.8	0.25	1.84	2.07	2.29
2.4	1.1	2.61	3.60	4.59	1.35	2.6	1.7	0.33	3.15	3.45	3.74
3.5	1.5	3.60	4.95	6.30	1.35	3.1	2.0	0.33	3.51	3.81	4.10
2.3	0.7	2.52	3.15	3.78	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.4	1.1	2.61	3.60	4.59	1.35	3.1	2.0	0.33	3.51	3.81	4.10
2.9	1.0	3.06	3.96	4.86	1.35	2.3	1.5	0.33	2.92	3.22	3.52
2.5	1.1	2.70	3.69	4.68	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.1	0.7	2.34	2.97	3.60	1.35	2.3	1.5	0.33	2.92	3.22	3.52
2.4	0.8	2.61	3.33	4.05	1.20	1.6	1.0	0.30	2.25	2.52	2.79

# Municipal Electrical RATES AND TYPICAL BILLS in effect

Rates are quoted on a monthly basis and  
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	DOMESTIC SERVICE					
		Number of kwh supplied in first block	Rate per kwh for		Net monthly bill for		
			First block of kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
Bradford.....	40	45	¢ 4.2	¢ 1.0	\$ 2.20	\$ 4.00	\$ 5.80
Braeside.....	49	50	4.0	1.3	2.38	4.72	7.06
Brampton.....	45	60	2.5	1.2	1.78	3.94	6.10
Brantford.....	44	60	2.2	1.2	1.62	3.78	5.94
Brantford Twp.....	45	60	3.4	1.3	2.30	4.64	6.98
Brechin.....	45	60	3.5	1.0	2.25	4.05	5.85
Bridgeport.....	42	60	3.3	1.2	2.21	4.37	6.53
Brigden.....	53	60	3.0	0.9	1.94	3.56	5.18
Brighton.....	42	60	3.6	1.1	2.34	4.32	6.30
Brockville.....	38	60	2.0	1.0	1.44	3.24	5.04
Bronte.....	43	60	3.0	1.5	2.16	4.86	7.56
Brussels.....	49	60	3.2	1.0	2.09	3.89	5.69
Burford.....	43	60	2.9	1.1	1.96	3.94	5.92
Burgessville.....	52	60	4.0	1.0	2.52	4.32	6.12
Burk's Falls.....	47	60	4.0	1.4	2.66	5.18	7.70
Burlington.....	42	60	3.8	1.4	2.56	5.08	7.60
†Burlington Beach.....	33	60	3.5	1.1	2.29	4.27	6.25
Cache Bay.....	45	60	5.0	1.5	3.24	5.94	8.64
Caledonia.....	43	60	2.4	1.2	1.73	3.89	6.05
Campbellville.....	50	60	3.0	1.3	2.09	4.43	6.77
Cannington.....	48	60	3.2	1.0	2.09	3.89	5.69
Capreol.....	43	60	3.5	1.3	2.36	4.70	7.04
Cardinal.....	40	55	2.8	1.1	1.83	3.81	5.79
Carleton Place.....	37	55	2.8	1.1	1.83	3.81	5.79
Casselman.....	42	60	5.0	2.0	3.42	7.02	10.62
Cayuga.....	46	60	3.5	1.0	2.25	4.05	5.85
Chapleau Twp.....	60	60	9.0	2.5	5.76	10.26	14.76
Chatham.....	48	60	3.8	1.4	2.56	5.08	7.60
Chatsworth.....	46	60	3.2	1.1	2.12	4.10	6.08
Chesley.....	45	60	2.7	1.0	1.82	3.62	5.42
Chesterville.....	44	60	2.7	1.1	1.85	3.83	5.81
Chippawa.....	40	60	3.1	1.4	2.18	4.70	7.22
Clifford.....	48	60	3.8	1.5	2.59	5.29	7.99
Clinton.....	46	60	3.1	1.2	2.11	4.27	6.43
†Cobalt.....	42	60	4.2	1.5	2.81	5.51	8.21
Cobden.....	31	40	2.8	1.0	1.55	3.35	5.15
Cobourg.....	44	60	2.9	1.4	2.07	4.59	7.11
Cochrane.....	42	60	3.4	1.5	2.38	5.08	7.78
Colborne.....	43	60	3.8	1.0	2.41	4.21	6.01
Coldwater.....	45	60	3.2	1.0	2.09	3.89	5.69

†Local system.

# Utilities and Local Systems FOR ELECTRICAL SERVICE

December 31, 1955

are subject to 10% prompt payment discount  
monthly charge

COMMERCIAL SERVICE					POWER SERVICE						
Demand rate per 100 watts 5.0 cents minimum 50 cents		Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand			Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each-kw of demand		100 hours	200 hours	300 hours		First 50 hours	Next 50 hours	All addi- tional hours	100 hours	200 hours	300 hours
First 100 hours	All addi- tional hours										
¢	¢	\$	\$	\$	\$	¢	¢	¢	\$	\$	\$
3.7	1.0	3.78	4.68	5.58	1.35	2.0	1.3	0.33	2.70	3.00	3.29
4.0	1.0	4.05	4.95	5.85	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.0	1.1	2.25	3.24	4.23	1.20	1.6	1.0	0.30	2.25	2.52	2.79
1.8	0.7	2.07	2.70	3.33	1.20	1.4	0.9	0.30	2.11	2.38	2.65
2.9	1.0	3.06	3.96	4.86	1.20	2.1	1.4	0.30	2.65	2.92	3.19
3.0	1.0	3.15	4.05	4.95	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.8	1.2	2.97	4.05	5.13	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.5	0.7	2.70	3.33	3.96	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.1	1.0	3.24	4.14	5.04	1.20	1.9	1.3	0.30	2.52	2.79	3.06
1.7	0.8	1.98	2.70	3.42	1.20	1.4	0.9	0.30	2.11	2.38	2.65
2.5	1.5	2.70	4.05	5.40	1.35	2.2	1.4	0.33	2.83	3.13	3.43
2.7	0.8	2.88	3.60	4.32	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.4	1.1	2.61	3.60	4.59	1.20	2.1	1.4	0.30	2.65	2.92	3.19
3.5	0.8	3.60	4.32	5.04	1.35	2.9	1.9	0.33	3.37	3.67	3.97
3.5	1.4	3.60	4.86	6.12	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.2	1.0	3.33	4.23	5.13	1.35	2.6	1.7	0.33	3.15	3.45	3.74
3.2	0.7	3.33	3.96	4.59	1.35	2.3	1.5	0.33	2.92	3.22	3.52
4.5	1.5	4.50	5.85	7.20	1.35	3.7	2.4	0.33	3.96	4.26	4.55
1.9	1.1	2.16	3.15	4.14	1.35	2.3	1.5	0.33	2.92	3.22	3.52
2.8	1.1	2.97	3.96	4.95	1.35	3.5	2.3	0.33	3.82	4.12	4.42
2.8	0.9	2.97	3.78	4.59	1.35	2.2	1.4	0.33	2.83	3.13	3.43
3.0	1.1	3.15	4.14	5.13	1.35	2.9	1.9	0.33	3.37	3.67	3.97
2.3	1.0	2.52	3.42	4.32	1.35	2.3	1.5	0.33	2.92	3.22	3.52
2.3	0.9	2.52	3.33	4.14	1.20	1.4	0.9	0.30	2.11	2.38	2.65
4.5	2.0	4.50	6.30	8.10	1.35	2.5	1.6	0.33	3.06	3.36	3.65
3.0	0.8	3.15	3.87	4.59	1.35	2.8	1.8	0.33	3.28	3.58	3.88
8.5	2.5	8.10	10.35	12.60	1.35	5.7	3.8	0.33	5.49	5.79	6.08
3.3	1.2	3.42	4.50	5.58	1.35	2.0	1.3	0.40	2.70	3.00	3.29
2.7	1.1	2.88	3.87	4.86	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.3	1.0	2.52	3.42	4.32	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.2	1.1	2.43	3.42	4.41	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.6	1.3	2.79	3.96	5.13	1.20	1.9	1.3	0.30	2.52	2.79	3.06
3.5	1.5	3.60	4.95	6.30	1.35	3.2	2.1	0.33	3.60	3.90	4.19
2.6	1.2	2.79	3.87	4.95	1.35	2.6	1.7	0.33	3.15	3.45	3.74
3.7	1.5	3.78	5.13	6.48	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.5	1.0	2.70	3.60	4.50	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.4	1.3	2.61	3.78	4.95	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.9	1.4	3.06	4.32	5.58	1.35	2.3	1.5	0.33	2.92	3.22	3.52
3.0	1.0	3.15	4.05	4.95	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.5	1.0	2.70	3.60	4.50	1.35	2.5	1.6	0.33	3.06	3.36	3.65

# Municipal Electrical RATES AND TYPICAL BILLS in effect

Rates are quoted on a monthly basis and  
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	Number of kwh supplied in first block	DOMESTIC SERVICE				
			Rate per kwh for		Net monthly bill for		
			First block of kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	\$	\$	\$
Collingwood.....	43	60	2.5	1.1	1.75	3.73	5.71
Comber.....	52	60	3.3	1.2	2.21	4.37	6.53
Cookstown.....	51	45	4.3	1.0	2.24	4.04	5.84
Cottam.....	50	60	3.3	1.2	2.21	4.37	6.53
Courtright.....	59	60	3.0	1.1	2.02	4.00	5.98
Creemore.....	53	50	3.1	1.0	1.84	3.64	5.44
Dashwood.....	50	60	4.1	1.4	2.72	5.24	7.76
Delaware.....	46	60	3.8	1.4	2.56	5.08	7.60
Delhi.....	43	60	3.2	1.0	2.09	3.89	5.69
Deseronto.....	51	60	3.9	1.0	2.47	4.27	6.07
Dorchester.....	47	60	2.8	1.2	1.94	4.10	6.26
Drayton.....	59	55	4.0	1.3	2.51	4.85	7.19
Dresden.....	48	60	3.2	1.3	2.20	4.54	6.88
Drumbo.....	41	60	3.5	1.0	2.25	4.05	5.85
Dryden.....	49	60	4.5	1.5	2.97	5.67	8.37
Dublin.....	55	60	3.5	1.1	2.29	4.27	6.25
Dundalk.....	44	60	2.7	1.0	1.82	3.62	5.42
Dundas.....	40	60	2.8	1.1	1.91	3.89	5.87
Dunnville.....	49	60	2.6	1.5	1.94	4.64	7.34
Durham.....	58	60	2.7	1.1	1.85	3.83	5.81
Dutton.....	51	60	2.9	1.2	2.00	4.16	6.32
East York Twp.....	42	60	2.5	1.3	1.82	4.16	6.50
Eganville.....	42	60	4.3	1.1	2.72	4.70	6.68
†Elk Lake Townsite.....	42	Special	3.2	0.9	2.30	4.60	6.60
Elmira.....	45				2.05	3.67	5.29
Elmvale.....	46	60	2.9	1.1	1.96	3.94	5.92
Elmwood.....	53	50	3.5	0.9	1.98	3.60	5.22
Elora.....	44	60	3.2	1.4	2.23	4.75	7.27
Embro.....	44	60	3.3	1.1	2.18	4.16	6.14
†Englehart.....	50	60	4.5	1.5	2.97	5.67	8.37
Erieau.....	51	60	3.7	1.0	2.36	4.16	5.96
Erie Beach.....	61	60	5.3	1.5	3.40	6.10	8.80
Erin.....	45	60	3.5	1.3	2.36	4.70	7.04
Essex.....	51	60	2.9	1.2	2.00	4.16	6.32
Etobicoke Twp. (including Thistletown).....	40	60	2.7	1.3	1.93	4.27	6.61
Exeter.....	47	60	3.0	1.3	2.09	4.43	6.77
Fergus.....	45	60	3.3	1.3	2.25	4.59	6.93
Finch.....	51	45	3.0	1.2	1.81	3.97	6.13
Flesherton.....	37	60	2.3	1.0	1.60	3.40	5.20
Fonthill.....	41	60	3.0	1.3	2.09	4.43	6.77

†Local system.

# Utilities and Local Systems FOR ELECTRICAL SERVICE

December 31, 1955

are subject to 10% prompt payment discount  
monthly charge

COMMERCIAL SERVICE					POWER SERVICE						
Demand rate per 100 watts 5.0 cents minimum 50 cents		Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand			Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand						First 50 hours	Next 50 hours	All addi- tional hours	100 hours	200 hours	300 hours
First 100 hours	All addi- tional hours	100 hours	200 hours	300 hours							
¢	¢	\$	\$	\$	\$	¢	¢	¢	\$	\$	\$
2.0	1.1	2.25	3.24	4.23	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.8	1.1	2.97	3.96	4.95	1.35	2.9	1.9	0.33	3.37	3.67	3.97
3.8	1.0	3.87	4.77	5.67	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.8	1.2	2.97	4.05	5.13	1.35	3.2	2.1	0.33	3.60	3.90	4.19
3.2	1.0	3.33	4.23	5.13	1.35	4.1	2.7	0.33	4.27	4.57	4.87
2.6	0.9	2.79	3.60	4.41	1.20	1.6	1.0	0.30	2.25	2.52	2.79
3.7	1.3	3.78	4.95	6.12	1.35	3.4	2.2	0.33	3.73	4.03	4.33
3.4	1.4	3.51	4.77	6.03	1.35	3.1	2.0	0.33	3.51	3.81	4.10
2.6	0.8	2.79	3.51	4.23	1.35	2.0	1.3	0.33	2.70	3.00	3.29
3.5	0.9	3.60	4.41	5.22	1.35	2.5	1.6	0.33	3.06	3.36	3.65
2.4	1.1	2.61	3.60	4.59	1.35	2.3	1.5	0.33	2.92	3.22	3.52
3.4	0.7	3.51	4.14	4.77	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.7	1.1	2.88	3.87	4.86	1.35	2.3	1.5	0.33	2.92	3.22	3.52
3.0	0.8	3.15	3.87	4.59	1.35	2.0	1.3	0.33	2.70	3.00	3.29
3.8	2.0	3.87	5.67	7.47	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.0	0.8	3.15	3.87	4.59	1.35	3.4	2.2	0.33	3.73	4.03	4.33
2.3	0.8	2.52	3.24	3.96	1.20	1.4	0.9	0.30	2.11	2.38	2.65
2.3	1.0	2.52	3.42	4.32	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.2	1.5	2.43	3.78	5.13	1.35	2.3	1.5	0.33	2.92	3.22	3.52
2.4	1.0	2.61	3.51	4.41	1.35	2.2	1.4	0.33	2.83	3.13	3.43
2.4	1.0	2.61	3.51	4.41	1.35	2.2	1.4	0.33	2.83	3.13	3.43
2.0	0.9	2.25	3.06	3.87	1.20	1.6	1.0	0.30	2.25	2.52	2.79
3.8	1.0	3.87	4.77	5.67	1.35	2.5	1.6	0.33	3.06	3.36	3.65
Special		3.50	4.50	5.50	Special				3.50	4.50	5.50
2.6	0.8	2.79	3.51	4.23	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.4	1.0	2.61	3.51	4.41	1.35	2.6	1.7	0.33	3.15	3.45	3.74
3.0	0.8	3.15	3.87	4.59	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.8	1.4	2.97	4.23	5.49	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.7	0.7	2.88	3.51	4.14	1.35	3.1	2.0	0.33	3.51	3.81	4.10
4.0	1.5	4.05	5.40	6.75	1.35	3.1	2.0	0.33	3.51	3.81	4.10
3.5	0.9	3.60	4.41	5.22	1.35	4.0	2.6	0.33	4.18	4.48	4.78
4.8	1.0	4.77	5.67	6.57	1.35	4.1	2.7	0.33	4.27	4.57	4.87
3.0	1.2	3.15	4.23	5.31	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.4	1.0	2.61	3.51	4.41	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.2	0.8	2.43	3.15	3.87	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.6	0.8	2.79	3.51	4.23	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.8	1.1	2.97	3.96	4.95	1.35	2.2	1.4	0.33	2.83	3.13	3.43
2.8	1.0	2.97	3.87	4.77	1.35	3.5	2.3	0.33	3.82	4.12	4.42
1.9	1.0	2.16	3.06	3.96	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.5	1.2	2.70	3.78	4.86	1.35	2.5	1.6	0.33	3.06	3.36	3.65

# Municipal Electrical RATES AND TYPICAL BILLS in effect

Rates are quoted on a monthly basis and  
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	Number of kwh supplied in first block	DOMESTIC SERVICE				
			Rate per kwh for		Net monthly bill for		
			First block of kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	\$	\$	\$
Forest.....	50	60	3.4	1.0	2.20	4.00	5.80
Forest Hill.....	40	60	2.5	1.4	1.85	4.37	6.89
Fort William.....	34	60	2.0	0.8	1.37	2.81	4.25
Frankford.....	34	60	3.0	1.1	2.02	4.00	5.98
Galt.....	40	60	3.0	1.1	2.02	4.00	5.98
Georgetown.....	45	60	2.9	1.4	2.07	4.59	7.11
Glen Williams.....	45	60	3.6	1.6	2.52	5.40	8.28
†Geraldton.....	43	60	4.4	1.5	2.92	5.62	8.32
Glencoe.....	52	60	3.0	0.9	1.94	3.56	5.18
Goderich.....	52	60	3.3	1.4	2.29	4.81	7.33
Grand Bend.....	52	60	4.4	1.5	2.92	5.62	8.32
Grand Valley.....	50	60	3.0	1.2	2.05	4.21	6.37
Granton.....	50	60	3.9	1.4	2.61	5.13	7.65
Gravenhurst.....	40	60	2.1	1.0	1.49	3.29	5.09
Grimsby.....	46	60	2.5	1.1	1.75	3.73	5.71
Guelph.....	41	60	2.5	1.1	1.75	3.73	5.71
Hagersville.....	41	60	2.8	1.1	1.91	3.89	5.87
†Haileybury.....	37	60	3.9	1.2	2.54	4.70	6.86
Hamilton.....	46	60	2.6	1.1	1.80	3.78	5.76
Hanover.....	42	60	2.2	1.0	1.55	3.35	5.15
Harriston.....	48	60	3.4	1.4	2.34	4.86	7.38
Harrow.....	49	60	3.5	1.4	2.39	4.91	7.43
Hastings.....	52	45	4.2	1.0	2.20	4.00	5.80
Havelock.....	45	60	3.6	1.5	2.48	5.18	7.88
Hawkesbury.....	36	60	4.0	1.5	2.70	5.40	8.10
Hearst.....	60	60	8.0	2.0	5.04	8.64	12.24
Hensall.....	48	60	3.2	1.0	2.09	3.89	5.69
†Hepworth.....	50	60	4.0	1.2	2.59	4.75	6.91
Hespeler.....	42	60	3.2	1.1	2.12	4.10	6.08
Highgate.....	47	60	3.2	0.9	2.05	3.67	5.29
Holstein.....	75	60	3.0	1.0	1.98	3.78	5.58
†Hornepayne.....	60	60	8.0	2.0	5.04	8.64	12.24
†Hudson Township.....	45	60	4.4	1.7	2.99	6.05	9.11
Huntsville.....	40	60	2.4	1.2	1.73	3.89	6.05
†Ignace.....	60	60	8.0	2.0	5.04	8.64	12.24
Ingersoll.....	46	60	3.4	1.3	2.30	4.64	6.98
Iroquois.....	43	60	2.8	1.2	1.94	4.10	6.26
Jarvis.....	44	60	2.8	0.9	1.84	3.46	5.08
†Jellicoe Township.....	45	60	4.4	1.7	2.99	6.05	9.11
Kapuskasing.....	42	60	3.2	1.5	2.27	4.97	7.67
†Kearns Township.....	45	b40	3.5	▲ 1.6 0.75	2.63	4.90	6.25

†Local system.

See explanatory notes on pages 182 and 183.

# Utilities and Local Systems FOR ELECTRICAL SERVICE

December 31, 1955

are subject to 10% prompt payment discount  
monthly charge

COMMERCIAL SERVICE					POWER SERVICE						
Demand rate per 100 watts 5.0 cents minimum 50 cents		Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand			Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand											
First 100 hours	All addi- tional hours	100 hours	200 hours	300 hours		First 50 hours	Next 50 hours	All addi- tional hours	100 hours	200 hours	300 hours
¢	¢	\$	\$	\$	\$	¢	¢	¢	\$	\$	\$
2.9	0.7	3.06	3.69	4.32	1.35	3.1	2.0	0.33	3.51	3.81	4.10
2.0	1.2	2.25	3.33	4.41	1.20	1.6	1.0	0.30	2.25	2.52	2.79
1.9	0.4	2.16	2.52	2.88	1.00	1.4	0.9	0.25	1.93	2.16	2.38
2.5	1.0	2.70	3.60	4.50	1.20	1.4	0.9	0.30	2.11	2.38	2.65
2.5	1.0	2.70	3.60	4.50	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.4	1.4	2.61	3.87	5.13	1.20	2.1	1.4	0.30	2.65	2.92	3.19
3.1	1.6	3.24	4.68	6.12	1.35	2.6	1.7	0.33	3.15	3.45	3.74
3.9	1.5	3.96	5.31	6.66	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.6	0.8	2.79	3.51	4.23	1.35	2.2	1.4	0.33	2.83	3.13	3.43
2.9	1.1	3.06	4.05	5.04	1.35	2.9	1.9	0.33	3.37	3.67	3.97
3.9	1.3	3.96	5.13	6.30	1.35	3.1	2.0	0.33	3.51	3.81	4.10
2.5	1.2	2.70	3.78	4.86	1.20	2.1	1.4	0.30	2.65	2.92	3.19
3.4	1.3	3.51	4.68	5.85	1.35	2.6	1.7	0.33	3.15	3.45	3.74
1.6	0.9	1.89	2.70	3.51	1.20	1.4	0.9	0.30	2.11	2.38	2.65
2.0	1.0	2.25	3.15	4.05	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.0	0.9	2.25	3.06	3.87	1.00	1.5	1.1	0.30	2.07	2.34	2.61
2.3	0.9	2.52	3.33	4.14	1.20	1.7	1.2	0.30	2.38	2.65	2.92
3.4	1.2	3.51	4.59	5.67	1.35	2.0	1.3	0.33	2.70	3.00	3.29
e1.9	0.7	2.16	2.79	3.42	1.00	1.4	0.9	0.40	1.93	2.29	2.65
1.7	1.0	1.98	2.88	3.78	1.00	1.5	0.9	0.30	1.98	2.25	2.52
3.0	1.3	3.15	4.32	5.49	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.1	1.2	3.24	4.32	5.40	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.6	1.0	3.69	4.59	5.49	1.35	2.5	1.6	0.33	3.06	3.36	3.65
3.1	1.3	3.24	4.41	5.58	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.5	1.5	3.60	4.95	6.30	1.35	2.0	1.3	0.33	2.70	3.00	3.29
7.5	2.0	7.20	9.00	10.80	1.35	4.9	3.3	0.33	4.90	5.20	5.50
2.7	0.9	2.88	3.69	4.50	1.20	2.1	1.4	0.30	2.65	2.92	3.19
3.5	1.0	3.60	4.50	5.40	1.35	4.1	2.7	0.33	4.27	4.57	4.87
2.6	0.9	2.79	3.60	4.41	1.20	1.6	1.0	0.33	2.25	2.55	2.84
2.8	0.7	2.97	3.60	4.23	1.35	2.6	1.7	0.33	3.15	3.45	3.74
2.5	0.8	2.70	3.42	4.14	1.35	3.5	2.3	0.33	3.82	4.12	4.42
7.5	2.0	7.20	9.00	10.80	1.35	4.9	3.3	0.33	4.90	5.20	5.50
3.9	1.5	3.96	5.31	6.66	1.35	3.8	2.5	0.33	4.05	4.35	4.64
2.2	1.1	2.43	3.42	4.41	1.20	1.6	1.0	0.30	2.25	2.52	2.79
7.5	2.0	7.20	9.00	10.80	1.35	4.9	3.3	0.33	4.90	5.20	5.50
2.8	0.8	2.97	3.69	4.41	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.3	1.0	2.52	3.42	4.32	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.3	0.6	2.52	3.06	3.60	1.20	2.1	1.4	0.30	2.65	2.92	3.19
3.9	1.5	3.96	5.31	6.66	1.35	3.8	2.5	0.33	4.05	4.35	4.64
2.7	1.5	2.88	4.23	5.58	1.35	2.3	1.5	0.33	2.92	3.22	3.52
3.5	1.0	3.60	4.50	5.40	1.35	2.8	1.8	0.33	3.28	3.58	3.88

# Municipal Electrical RATES AND TYPICAL BILLS in effect

Rates are quoted on a monthly basis and  
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	Number of kwh supplied in first block	DOMESTIC SERVICE				
			Rate per kwh for		Net monthly bill for		
			First block of kwh.	All addi- tional kwh	100 kwh	300 kwh	500 kwh
Kemptville.....	45	55	3.2	1.0	1.99	3.79	5.59
Kincardine.....	45	50	3.1	1.0	1.84	3.64	5.44
†King Kirkland Townsite.....	45	b40	3.5	▲ 1.6 0.75	2.63	4.90	6.25
Kingston.....	38	60	1.8	0.9	1.30	2.92	4.54
Kingsville.....	48	60	3.2	1.2	2.16	4.32	6.48
Kirkfield.....	45	50	5.0	1.2	2.79	4.95	7.11
†Kirkland Lake (including Swastika).....	42	Special			2.30	4.60	6.60
Kitchener.....	42	60	2.6	1.3	1.87	4.21	6.55
Lakefield.....	38	55	2.8	1.0	1.79	3.59	5.39
Lambeth.....	43	60	3.5	1.3	2.36	4.70	7.04
Lanark.....	36	60	2.5	1.1	1.75	3.73	5.71
Lancaster.....	43	60	2.3	1.0	1.60	3.40	5.20
Larder Lake Twp.....	46	60	3.5	1.1	2.29	4.27	6.25
La Salle.....	52	60	4.6	1.6	3.06	5.94	8.82
Latchford.....	..	60	5.0	2.0	3.42	7.02	10.62
Leamington.....	48	60	2.7	1.1	1.85	3.83	5.81
Lindsay.....	44	60	2.6	1.3	1.87	4.21	6.55
Listowel.....	49	60	3.0	1.3	2.09	4.43	6.77
London.....	44	60	2.8	1.2	1.94	4.10	6.26
London Twp.....	43	60	3.5	1.4	2.39	4.91	7.43
Long Branch.....	40	60	2.4	1.2	1.73	3.89	6.05
L'Orignal.....	41	60	6.0	2.0	3.96	7.56	11.16
Lucan.....	48	60	3.4	1.4	2.34	4.86	7.38
Lucknow.....	57	55	2.7	1.0	1.75	3.55	5.35
Lynden.....	45	60	3.2	1.1	2.12	4.10	6.08
Madoc.....	47	60	2.9	1.2	2.00	4.16	6.32
Magnetawan.....	52	60	4.7	2.0	3.26	6.86	10.46
Markdale.....	45	60	2.5	1.0	1.71	3.51	5.31
Markham.....	45	60	2.8	1.1	1.91	3.89	5.87
Marmora.....	48	60	3.6	1.0	2.30	4.10	5.90
Martintown.....	40	60	4.0	1.2	2.59	4.75	6.91
Massey.....	48	60	6.0	2.5	4.14	8.64	13.14
†Matachewan Twp.....	45	50	4.5	1.0	2.47	4.27	6.07
†Matheson.....	45	b40	3.5	▲ 1.6 0.75	2.63	4.90	6.25
†Mattawa.....	45	60	5.3	1.6	3.44	6.32	9.20
Maxville.....	58	55	3.1	1.0	1.94	3.74	5.53
McGarry.....	46	60	3.5	1.1	2.29	4.27	6.25
Meaford.....	46	60	2.6	1.0	1.76	3.56	5.36
Merlin.....	44	60	3.1	1.0	2.03	3.83	5.63
Merrickville.....	40	60	3.0	1.3	2.09	4.43	6.77

†Local system.

See explanatory notes on pages 182 and 183.

# Utilities and Local Systems FOR ELECTRICAL SERVICE December 31, 1955

are subject to 10% prompt payment discount  
monthly charge

COMMERCIAL SERVICE					POWER SERVICE						
Demand rate per 100 watts 5.0 cents minimum 50 cents		Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand			Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand											
First 100 hours	All addi- tional hours	100 hours	200 hours	300 hours		First 50 hours	Next 50 hours	All addi- tional hours	100 hours	200 hours	300 hours
¢	¢	\$	\$	\$	\$	¢	¢	¢	\$	\$	\$
2.7	1.0	2.88	3.78	4.68	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.6	0.8	2.79	3.51	4.23	1.35	2.2	1.4	0.33	2.83	3.13	3.43
3.5	1.0	3.60	4.50	5.40	1.35	2.8	1.8	0.33	3.28	3.58	3.88
1.5	0.9	1.80	2.61	3.42	1.20	1.4	0.9	0.30	2.11	2.38	2.65
2.4	1.0	2.61	3.51	4.41	1.35	2.3	1.5	0.33	2.92	3.22	3.52
4.5	1.0	4.50	5.40	6.30	1.35	4.1	2.7	0.33	4.27	4.57	4.87
Special		3.50	4.50	5.50	Special				3.50	4.50	5.50
2.3	1.0	2.52	3.42	4.32	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.4	0.8	2.61	3.33	4.05	1.20	1.7	1.2	0.30	2.38	2.65	2.92
3.1	1.1	3.24	4.23	5.22	1.35	4.1	2.7	0.33	4.27	4.57	4.87
2.0	1.0	2.25	3.15	4.05	1.35	2.2	1.4	0.33	2.83	3.13	3.43
1.8	1.0	2.07	2.97	3.87	1.35	2.0	1.3	0.33	2.70	3.00	3.29
3.0	1.0	3.15	4.05	4.95	1.35	3.1	2.0	0.33	3.51	3.81	4.10
4.1	1.5	4.14	5.49	6.84	1.35	3.7	2.4	0.33	3.96	4.26	4.55
4.5	2.0	4.50	6.30	8.10	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.1	1.0	2.34	3.24	4.14	1.35	2.2	1.4	0.33	2.83	3.13	3.43
2.2	1.3	2.43	3.60	4.77	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.5	1.3	2.70	3.87	5.04	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.2	0.6	2.43	2.97	3.51	1.20	1.4	0.9	0.30	2.11	2.38	2.65
3.0	1.1	3.15	4.14	5.13	1.35	2.5	1.6	0.33	3.06	3.36	3.65
1.9	1.1	2.16	3.15	4.14	1.20	1.7	1.2	0.30	2.38	2.65	2.92
5.5	2.0	5.40	7.20	9.00	1.35	2.3	1.5	0.33	2.92	3.22	3.52
3.0	1.1	3.15	4.14	5.13	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.2	0.8	2.43	3.15	3.87	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.7	1.0	2.88	3.78	4.68	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.5	1.1	2.70	3.69	4.68	1.35	2.8	1.8	0.33	3.28	3.58	3.88
4.2	2.0	4.23	6.03	7.83	1.35	3.5	2.3	0.33	3.82	4.12	4.42
2.0	1.0	2.25	3.15	4.05	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.4	0.9	2.61	3.42	4.23	1.20	1.7	1.2	0.30	2.38	2.65	2.92
3.2	0.9	3.33	4.14	4.95	1.35	2.3	1.5	0.33	2.92	3.22	3.52
3.5	1.2	3.60	4.68	5.76	1.35	2.8	1.8	0.33	3.28	3.58	3.88
5.5	2.5	5.40	7.65	9.90	1.35	3.5	2.3	0.33	3.82	4.12	4.42
3.5	1.0	3.60	4.50	5.40	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.5	1.0	3.60	4.50	5.40	1.35	2.8	1.8	0.33	3.28	3.58	3.88
4.8	1.6	4.77	6.21	7.65	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.8	1.0	2.97	3.87	4.77	1.35	3.5	2.3	0.33	3.82	4.12	4.42
3.0	1.0	3.15	4.05	4.95	1.35	3.1	2.0	0.33	3.51	3.81	4.10
2.2	0.8	2.43	3.15	3.87	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.6	0.7	2.79	3.42	4.05	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.5	1.2	2.70	3.78	4.86	1.20	1.4	0.9	0.30	2.11	2.38	2.65

# Municipal Electrical RATES AND TYPICAL BILLS in effect

Rates are quoted on a monthly basis and  
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	Number of kwh supplied in first block	DOMESTIC SERVICE				
			Rate per kwh for		Net monthly bill for		
			First block of kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
Merritton.....	43	60	3.2	1.3	2.20	4.54	6.88
Midland.....	40	60	2.5	1.1	1.75	3.73	5.71
Mildmay.....	40	60	2.5	1.0	1.71	3.51	5.31
Millbrook.....	48	60	4.6	1.0	2.84	4.64	6.44
Milton.....	45	60	3.1	1.6	2.25	5.13	8.01
Milverton.....	48	60	3.4	1.3	2.30	4.64	6.98
Mimico.....	42	60	2.7	1.2	1.89	4.05	6.21
Mitchell.....	46	60	3.6	1.4	2.45	4.97	7.49
Moorefield.....	44	60	2.5	0.9	1.67	3.29	4.91
Morrisburg.....	43	60	3.0	1.0	1.98	3.78	5.58
Mount Brydges.....	48	60	2.9	1.3	2.03	4.37	6.71
Mount Forest.....	52	60	2.8	1.0	1.87	3.67	5.47
Napanee.....	39	60	2.8	1.1	1.91	3.89	5.87
Neustadt.....	40	60	2.5	1.0	1.71	3.51	5.31
Newboro.....	40	60	4.0	1.4	2.66	5.18	7.70
Newburgh.....	40	60	4.3	1.2	2.75	4.91	7.07
Newbury.....	50	60	4.0	1.0	2.52	4.32	6.12
Newcastle.....	43	60	3.0	0.9	1.94	3.56	5.18
New Hamburg.....	43	60	3.2	1.3	2.20	4.54	6.88
†New Liskeard.....	42		Special		2.30	4.60	6.60
Newmarket.....	40	60	2.5	1.0	1.71	3.51	5.31
New Toronto.....	42	60	2.6	1.2	1.84	4.00	6.16
Niagara.....	41	60	3.0	1.4	2.12	4.64	7.16
Niagara Falls.....	37	60	2.1	1.0	1.49	3.29	5.09
Nipigon Twp.....	32	60	2.8	1.0	1.87	3.67	5.47
North Bay.....	42	60	2.5	1.2	1.78	3.94	6.10
North York Twp.....	43	60	2.7	1.3	1.93	4.27	6.61
Norwich.....	46	60	3.4	1.2	2.27	4.43	6.59
Norwood.....	45	50	3.9	1.1	2.25	4.23	6.21
Oakville.....	44	60	3.0	1.4	2.12	4.64	7.16
Oil Springs.....	52	60	3.0	1.0	1.98	3.78	5.58
Omeme.....	44	60	3.3	1.0	2.14	3.94	5.74
Orangeville.....	52	55	2.8	1.0	1.79	3.59	5.39
Orillia.....	40	60	2.3	0.9	1.57	3.19	4.81
Orono.....	45	60	3.5	1.2	2.32	4.48	6.64
Oshawa.....	42	60	3.0	1.1	2.02	4.00	5.98
Ottawa (including Eastview and Rockcliffe Park)...	32	a { 60	* 2.0	* 0.5	1.74	3.02	3.92
		60	1.0				
Otterville.....	46	60	3.0	1.0	1.98	3.78	5.58
Owen Sound.....	42	60	2.4	1.1	1.69	3.67	5.65
Paisley.....	45	60	3.5	1.0	2.25	4.05	5.85

†Local system.

See explanatory notes on pages 182 and 183.

# Utilities and Local Systems FOR ELECTRICAL SERVICE

December 31, 1955

are subject to 10% prompt payment discount  
monthly charge

COMMERCIAL SERVICE					POWER SERVICE						
Demand rate per 100 watts 5.0 cents minimum 50 cents		Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand			Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand						First 50 hours	Next 50 hours	All addi- tional hours	100 hours	200 hours	300 hours
First 100 hours	All addi- tional hours	100 hours	200 hours	300 hours							
¢	¢	\$	\$	\$	\$	¢	¢	¢	\$	\$	\$
2.7	1.1	2.88	3.87	4.86	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.0	1.1	2.25	3.24	4.23	1.00	1.5	1.1	0.30	2.07	2.34	2.61
2.0	0.9	2.25	3.06	3.87	1.20	1.9	1.3	0.30	2.52	2.79	3.06
4.2	1.0	4.23	5.13	6.03	1.35	3.5	2.3	0.33	3.82	4.12	4.42
2.6	1.6	2.79	4.23	5.67	1.35	2.5	1.6	0.33	3.06	3.36	3.65
3.0	1.4	3.15	4.41	5.67	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.2	1.1	2.43	3.42	4.41	1.20	1.9	1.3	0.30	2.52	2.79	3.06
3.1	1.0	3.24	4.14	5.04	1.35	2.6	1.7	0.33	3.15	3.45	3.74
2.0	0.9	2.25	3.06	3.87	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.7	0.8	2.88	3.60	4.32	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.5	1.0	2.70	3.60	4.50	1.35	2.5	1.6	0.33	3.06	3.36	3.65
2.3	0.8	2.52	3.24	3.96	1.35	2.2	1.4	0.33	2.83	3.13	3.43
2.5	1.0	2.70	3.60	4.50	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.0	0.9	2.25	3.06	3.87	1.20	1.9	1.3	0.30	2.52	2.79	3.06
3.5	1.2	3.60	4.68	5.76	1.35	2.2	1.4	0.33	2.83	3.13	3.43
3.8	1.2	3.87	4.95	6.03	1.35	2.5	1.6	0.33	3.06	3.36	3.65
3.5	0.9	3.60	4.41	5.22	1.35	3.5	2.3	0.33	3.82	4.12	4.42
2.5	0.8	2.70	3.42	4.14	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.7	1.2	2.88	3.96	5.04	1.35	2.2	1.4	0.33	2.83	3.13	3.43
Special		3.50	4.50	5.50	Special				3.50	4.50	5.50
2.2	1.0	2.43	3.33	4.23	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.0	1.0	2.25	3.15	4.05	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.5	1.2	2.70	3.78	4.86	1.20	2.1	1.4	0.30	2.65	2.92	3.19
1.9	0.9	2.16	2.97	3.78	1.00	1.3	0.8	0.40	1.84	2.20	2.56
2.4	0.8	2.61	3.33	4.05	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.0	0.9	2.25	3.06	3.87	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.2	1.3	2.43	3.60	4.77	1.20	1.7	1.2	0.30	2.38	2.65	2.92
3.0	1.0	3.15	4.05	4.95	1.35	2.5	1.6	0.33	3.06	3.36	3.65
3.4	0.9	3.51	4.32	5.13	1.35	2.2	1.4	0.33	2.83	3.13	3.43
2.5	1.3	2.70	3.87	5.04	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.6	1.0	2.79	3.69	4.59	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.8	0.8	2.97	3.69	4.41	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.0	0.8	2.25	2.97	3.69	1.00	1.4	0.9	0.25	1.93	2.16	2.38
1.8	0.8	2.07	2.79	3.51	1.00	1.4	0.9	0.30	1.93	2.20	2.47
3.0	1.1	3.15	4.14	5.13	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.5	0.8	2.70	3.42	4.14	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.1	0.5	2.34	2.79	3.24	1.00	1.8	1.2	0.15	1.95	2.06	2.16
2.5	0.8	2.70	3.42	4.14	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.1	1.0	2.34	3.24	4.14	1.00	1.5	1.1	0.30	2.07	2.34	2.61
3.0	1.0	3.15	4.05	4.95	1.35	2.6	1.7	0.33	3.15	3.45	3.74

# Municipal Electrical RATES AND TYPICAL BILLS in effect

Rates are quoted on a monthly basis and  
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	DOMESTIC SERVICE					
		Number of kwh supplied in first block	Rate per kwh for		Net monthly bill for		
			First block of kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	\$	\$	\$
Palmerston.....	44	60	2.6	1.0	1.76	3.56	5.36
Paris.....	42	60	2.8	1.3	1.98	4.32	6.66
Parkhill.....	50	60	3.4	1.2	2.27	4.43	6.59
Parry Sound.....	42	60	2.8	1.2	1.94	4.10	6.26
Penetanguishene.....	45	60	2.5	1.1	1.75	3.73	5.71
Perth.....	37	55	2.8	1.0	1.79	3.59	5.39
Peterborough.....	40	60	2.6	1.3	1.87	4.21	6.55
Petrolia.....	50	60	3.6	1.2	2.38	4.54	6.70
†Pickle Lake Landing Townsite.....	45	60	4.4	1.7	2.99	6.05	9.11
Pictou.....	43	60	2.2	0.9	1.51	3.13	4.75
Plattsville.....	52	60	3.3	1.2	2.21	4.37	6.53
Point Edward.....	46	60	3.5	1.2	2.32	4.48	6.64
Port Arthur.....	34	60	2.0	0.8	1.37	2.81	4.25
Port Burwell.....	49	60	5.0	2.0	3.42	7.02	10.62
†Port Carling.....	50	a45	4.7	1.5	2.94	5.94	8.64
Port Colborne.....	41	60	2.8	1.2	1.94	4.10	6.26
Port Credit.....	42	60	2.7	1.3	1.93	4.27	6.61
Port Dalhousie.....	43	60	3.2	1.5	2.27	4.97	7.67
Port Dover.....	45	60	2.4	1.2	1.73	3.89	6.05
Port Elgin.....	50	60	3.5	1.3	2.36	4.70	7.04
Port Hope.....	45	60	2.6	1.3	1.87	4.21	6.55
Port McNicoll.....	48	60	3.3	1.0	2.14	3.94	5.74
Port Perry.....	52	50	4.0	1.2	2.34	4.50	6.66
Port Rowan.....	50	60	3.2	1.1	2.12	4.10	6.08
Port Stanley.....	50	60	3.0	1.1	2.02	4.00	5.98
†Powassan.....	45	b40	3.5	▲ 1.6 0.75	2.63	4.90	6.25
Prescott.....	40	60	2.9	1.3	2.03	4.37	6.71
Preston.....	40	60	3.3	1.3	2.25	4.59	6.93
Priceville.....	52	60	5.0	1.5	3.24	5.94	8.64
Princeton.....	48	60	3.0	1.0	1.98	3.78	5.58
Queenston.....	40	60	2.8	1.3	1.98	4.32	6.66
†Red Lake Townsite.....	45	60	4.4	1.7	2.99	6.05	9.11
Red Rock.....	32	60	2.6	1.1	1.80	3.78	5.76
Renfrew.....	35	45	3.5	1.0	1.92	3.72	5.52
Richmond.....	54	40	4.3	1.2	2.20	4.36	6.52
Richmond Hill.....	45	60	2.8	1.2	1.94	4.10	6.26
Ridgetown.....	51	60	2.9	1.1	1.96	3.94	5.92
Ripley.....	68	55	4.8	1.0	2.78	4.58	6.38
Riverside.....	48	60	3.6	1.4	2.45	4.97	7.49
Rockland.....	33	60	4.0	1.2	2.59	4.75	6.91

†Local system.

See explanatory notes on pages 182 and 183.

# Utilities and Local Systems FOR ELECTRICAL SERVICE

December 31, 1955

are subject to 10% prompt payment discount  
monthly charge

COMMERCIAL SERVICE					POWER SERVICE							
Demand rate per 100 watts 5.0 cents minimum 50 cents		Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand			Net monthly bill for use of 1 kw of demand			
Energy rate per kwh for use of each kw of demand		100 hours	200 hours	300 hours		First 50 hours	Next 50 hours	All addi- tional hours	100 hours	200 hours	300 hours	
First 100 hours	All addi- tional hours											
¢	¢	\$	\$	\$	\$	¢	¢	¢	\$	\$	\$	
2.2	0.8	2.43	3.15	3.87	1.20	1.6	1.0	0.30	2.25	2.52	2.79	
2.3	0.8	2.52	3.24	3.96	1.00	1.5	1.1	0.30	2.07	2.34	2.61	
2.9	1.2	3.06	4.14	5.22	1.35	3.5	2.3	0.33	3.82	4.12	4.42	
2.3	1.2	2.52	3.60	4.68	1.20	1.6	1.0	0.30	2.25	2.52	2.79	
2.1	1.0	2.34	3.24	4.14	1.20	1.6	1.0	0.30	2.25	2.52	2.79	
2.0	0.6	2.25	2.79	3.33	1.00	1.3	0.8	0.25	1.84	2.07	2.29	
2.1	1.2	2.34	3.42	4.50	1.20	1.4	0.9	0.30	2.11	2.38	2.65	
3.1	1.0	3.24	4.14	5.04	1.35	3.5	2.3	0.33	3.82	4.12	4.42	
3.9	1.5	3.96	5.31	6.66	1.35	3.8	2.5	0.33	4.05	4.35	4.64	
1.7	0.8	1.98	2.70	3.42	1.20	1.4	0.9	0.30	2.11	2.38	2.65	
3.0	1.0	3.15	4.05	4.95	1.35	2.6	1.7	0.33	3.15	3.45	3.74	
3.0	1.0	3.15	4.05	4.95	1.35	2.5	1.6	0.33	3.06	3.36	3.65	
1.9	0.4	2.16	2.52	2.88	1.00	1.4	0.9	0.25	1.93	2.16	2.38	
4.5	2.0	4.50	6.30	8.10	1.35	3.2	2.1	0.33	3.60	3.90	4.19	
4.5	0.8	4.50	5.22	5.94	1.35	3.1	2.0	0.33	3.51	3.81	4.10	
2.5	1.1	2.70	3.69	4.68	1.20	1.9	1.3	0.30	2.52	2.79	3.06	
2.2	1.2	2.43	3.51	4.59	1.35	2.0	1.3	0.33	2.70	3.00	3.29	
2.7	1.2	2.88	3.96	5.04	1.20	1.9	1.3	0.30	2.52	2.79	3.06	
2.0	1.0	2.25	3.15	4.05	1.20	1.7	1.2	0.30	2.38	2.65	2.92	
2.8	1.0	2.97	3.87	4.77	1.35	2.5	1.6	0.33	3.06	3.36	3.65	
2.1	1.2	2.34	3.42	4.50	1.20	1.9	1.3	0.30	2.52	2.79	3.06	
2.8	0.8	2.97	3.69	4.41	1.35	2.2	1.4	0.33	2.83	3.13	3.43	
3.2	1.0	3.33	4.23	5.13	1.35	2.5	1.6	0.33	3.06	3.36	3.65	
2.7	0.9	2.88	3.69	4.50	1.35	3.2	2.1	0.33	3.60	3.90	4.19	
2.5	0.9	2.70	3.51	4.32	1.35	2.3	1.5	0.33	2.92	3.22	3.52	
3.5	1.0	3.60	4.50	5.40	1.35	2.8	1.8	0.33	3.28	3.58	3.88	
2.6	1.3	2.79	3.96	5.13	1.20	1.7	1.2	0.30	2.38	2.65	2.92	
2.8	0.9	2.97	3.78	4.59	1.20	1.9	1.3	0.30	2.52	2.79	3.06	
4.5	1.5	4.50	5.85	7.20	1.35	3.2	2.1	0.33	3.60	3.90	4.19	
2.7	0.8	2.88	3.60	4.32	1.20	2.1	1.4	0.30	2.65	2.92	3.19	
2.4	1.2	2.61	3.69	4.77	1.20	2.1	1.4	0.30	2.65	2.92	3.19	
3.9	1.5	3.96	5.31	6.66	1.35	3.8	2.5	0.33	4.05	4.35	4.64	
2.1	1.0	2.34	3.24	4.14	1.20	1.6	1.0	0.30	2.25	2.52	2.79	
2.0	0.5	2.25	2.70	3.15	1.20	1.6	1.0	0.30	2.25	2.52	2.79	
4.0	1.0	4.05	4.95	5.85	1.35	3.5	2.3	0.33	3.82	4.12	4.42	
2.3	1.2	2.52	3.60	4.68	1.20	2.1	1.4	0.30	2.65	2.92	3.19	
2.4	0.9	2.61	3.42	4.23	1.35	2.2	1.4	0.33	2.83	3.13	3.43	
4.3	0.8	4.32	5.04	5.76	1.35	2.8	1.8	0.33	3.28	3.58	3.88	
2.9	1.0	3.06	3.96	4.86	1.35	2.8	1.8	0.33	3.28	3.58	3.88	
3.5	1.0	3.60	4.50	5.40	1.20	1.7	1.2	0.30	2.38	2.65	2.92	

# Municipal Electrical RATES AND TYPICAL BILLS in effect

Rates are quoted on a monthly basis and  
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	Number of kwh supplied in first block	DOMESTIC SERVICE				
			Rate per kwh for		Net monthly bill for		
			First block of kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
Rockwood.....	48	No. 60	\$ 3.3	\$ 1.3	2.25	4.59	6.93
Rodney.....	52	60	2.5	1.0	1.71	3.51	5.31
Rosseau.....	43	60	3.5	1.6	2.47	5.35	8.23
Russell.....	40	60	3.3	1.2	2.21	4.37	6.53
St. Catharines.....	42	60	2.7	1.5	2.00	4.70	7.40
St. Clair Beach.....	50	60	4.1	1.5	2.75	5.45	8.15
St. George.....	44	60	2.5	0.9	1.67	3.29	4.91
St. Jacobs.....	42	60	3.0	1.1	2.02	4.00	5.98
St. Mary's.....	43	60	3.5	1.3	2.36	4.70	7.04
St. Thomas.....	43	60	3.2	1.2	2.16	4.32	6.48
Sarnia.....	44	60	3.0	1.2	2.05	4.21	6.37
Scarborough Twp.....	43	60	2.7	1.3	1.93	4.27	6.61
Schreiber Twp.....	35	60	2.7	1.0	1.82	3.62	5.42
Seaforth.....	47	60	3.1	1.2	2.11	4.27	6.43
Shelburne.....	45	60	3.0	1.2	2.05	4.21	6.37
Simcoe.....	42	60	2.5	1.0	1.71	3.51	5.31
Sioux Lookout.....	51	60	4.0	1.5	2.70	5.40	8.10
Smith's Falls.....	38	60	2.6	1.0	1.76	3.56	5.36
Smithville.....	45	60	3.2	1.2	2.16	4.32	6.48
Southampton.....	48	50	3.2	1.1	1.93	3.91	5.89
†South Porcupine Townsite.....	42		Special		2.30	4.60	6.60
Springfield.....	49	60	3.4	0.9	2.16	3.78	5.40
Stamford Twp.....	40	60	3.2	1.4	2.23	4.75	7.27
Stayner.....	41	60	3.0	1.2	2.05	4.21	6.37
Stirling.....	40	60	2.7	1.3	1.93	4.27	6.61
Stoney Creek.....	41	60	3.7	1.4	2.50	5.02	7.54
Stouffville.....	45	60	2.6	1.1	1.80	3.78	5.76
Stratford.....	43	60	2.9	1.2	2.00	4.16	6.32
Strathroy.....	42	60	3.1	0.9	2.00	3.62	5.24
Streetsville.....	42	60	2.9	1.3	2.03	4.37	6.71
Sturgeon Falls.....	46	60	3.8	1.5	2.59	5.29	7.99
Sudbury.....	43	60	2.6	1.2	1.84	4.00	6.16
Sunderland.....	45	60	3.5	1.0	2.25	4.05	5.85
Sundridge.....	52	60	4.2	1.6	2.84	5.72	8.60
Sutton.....	48	60	2.7	1.0	1.82	3.62	5.42
Swansea.....	44	60	2.4	1.3	1.76	4.10	6.44
Tara.....	48	60	2.8	1.2	1.94	4.10	6.26
Tavistock.....	44	60	2.7	1.4	1.96	4.48	7.00
Tecumseh.....	49	60	3.6	1.3	2.41	4.75	7.09
Teeswater.....	60	60	3.0	1.0	1.98	3.78	5.58

†Local system.

See explanatory notes on pages 182 and 183.

# Utilities and Local Systems FOR ELECTRICAL SERVICE

December 31, 1955

are subject to 10% prompt payment discount  
monthly charge

COMMERCIAL SERVICE					POWER SERVICE						
Demand rate per 100 watts 5.0 cents minimum 50 cents		Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand			Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand		100 hours	200 hours	300 hours		First 50 hours	Next 50 hours	All addi- tional hours	100 hours	200 hours	300 hours
First 100 hours	All addi- tional hours										
\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
2.8	1.2	2.97	4.05	5.13	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.2	0.8	2.43	3.15	3.87	1.35	2.2	1.4	0.33	2.83	3.13	3.43
3.0	1.6	3.15	4.59	6.03	1.35	2.6	1.7	0.33	3.15	3.45	3.74
2.8	1.2	2.97	4.05	5.13	1.35	2.0	1.3	0.33	2.70	3.00	3.29
e 2.3	1.1	2.52	3.51	4.50	1.20	1.9	1.3	0.30	2.52	2.79	3.06
3.6	1.4	3.69	4.95	6.21	1.35	3.7	2.4	0.33	3.96	4.26	4.55
2.0	0.6	2.25	2.79	3.33	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.5	1.0	2.70	3.60	4.50	1.20	1.7	1.2	0.30	2.38	2.65	2.92
3.0	1.2	3.15	4.23	5.31	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.3	0.6	2.52	3.06	3.60	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.5	0.8	2.70	3.42	4.14	1.35	2.3	1.5	0.33	2.92	3.22	3.52
2.2	1.1	2.43	3.42	4.41	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.2	1.0	2.43	3.33	4.23	1.35	2.6	1.7	0.33	3.15	3.45	3.74
2.6	0.9	2.79	3.60	4.41	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.5	1.2	2.70	3.78	4.86	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.0	0.8	2.25	2.97	3.69	1.20	1.7	1.2	0.30	2.38	2.65	2.92
3.5	2.0	3.60	5.40	7.20	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.0	0.7	2.25	2.88	3.51	1.00	1.5	1.1	0.25	2.07	2.29	2.52
2.8	1.1	2.97	3.96	4.95	1.35	2.5	1.6	0.33	3.06	3.36	3.65
2.9	1.1	3.06	4.05	5.04	1.35	2.2	1.4	0.33	2.83	3.13	3.43
Special		3.50	4.50	5.50	Special				3.50	4.50	5.50
2.9	0.8	3.06	3.78	4.50	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.9	1.3	3.06	4.23	5.40	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.5	1.2	2.70	3.78	4.86	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.2	1.3	2.43	3.60	4.77	1.20	1.7	1.2	0.30	2.38	2.65	2.92
3.3	1.1	3.42	4.41	5.40	1.35	2.3	1.5	0.33	2.92	3.22	3.52
2.1	1.1	2.34	3.33	4.32	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.4	0.7	2.61	3.24	3.87	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.5	0.6	2.70	3.24	3.78	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.4	1.3	2.61	3.78	4.95	1.20	2.1	1.4	0.30	2.65	2.92	3.19
3.3	1.5	3.42	4.77	6.12	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.4	1.2	2.61	3.69	4.77	1.35	2.0	1.3	0.33	2.70	3.00	3.29
3.0	0.8	3.15	3.87	4.59	1.35	3.2	2.1	0.33	3.60	3.90	4.19
3.7	1.6	3.78	5.22	6.66	1.35	3.4	2.2	0.33	3.73	4.03	4.33
2.4	0.7	2.61	3.24	3.87	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.0	1.3	2.25	3.42	4.59	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.4	1.0	2.61	3.51	4.41	1.35	2.9	1.9	0.33	3.37	3.67	3.97
2.3	1.4	2.52	3.78	5.04	1.35	2.2	1.4	0.33	2.83	3.13	3.43
3.1	1.0	3.24	4.14	5.04	1.35	2.6	1.7	0.33	3.15	3.45	3.74
2.6	0.8	2.79	3.51	4.23	1.35	3.4	2.2	0.33	3.73	4.03	4.33

# Municipal Electrical RATES AND TYPICAL BILLS in effect

Rates are quoted on a monthly basis and  
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	DOMESTIC SERVICE					
		Number of kwh supplied in first block	Rate per kwh for		Net monthly bill for		
			First block of kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	\$	\$	\$
Terrace Bay.....	35	60	2.7	1.0	1.82	3.62	5.42
Thamesford.....	49	60	3.6	1.5	2.48	5.18	7.88
Thamesville.....	52	60	3.5	1.3	2.36	4.70	7.04
Thedford.....	56	60	3.6	1.0	2.30	4.10	5.90
Thornbury.....	48	60	3.5	1.3	2.36	4.70	7.04
Thorndale.....	58	60	4.1	1.2	2.65	4.81	6.97
†Thornloe.....			Special		2.30	4.60	6.60
Thornton.....	62	60	3.8	1.0	2.41	4.21	6.01
Thorold.....	40	60	2.7	1.4	1.96	4.48	7.00
Tilbury.....	51	60	2.5	1.0	1.71	3.51	5.31
Tillsonburg.....	43	60	3.2	1.2	2.16	4.32	6.48
†Timmins (including Schumacher).....	42		Special		2.30	4.60	6.60
Toronto (including Leaside).....	**	60	2.0	1.4	1.58	4.10	6.62
Toronto Twp.....	42	60	3.0	1.6	2.20	5.08	7.96
Tottenham.....	44	50	3.5	1.0	2.25	4.05	5.85
Trafalgar Twp.....	43	60	3.8	2.0	2.77	6.37	9.97
Trenton.....	33	60	1.8	0.8	1.26	2.70	4.14
Tweed.....	42	60	2.5	0.9	1.67	3.29	4.91
Uxbridge.....	55	60	3.1	1.0	2.03	3.83	5.63
Vankleek Hill.....	41	60	4.5	1.5	2.97	5.67	8.37
Victoria Harbour.....	49	60	3.2	1.3	2.20	4.54	6.88
Walkerton.....	40	50	3.2	1.1	1.94	3.92	5.90
Wallaceburg.....	48	60	3.1	1.2	2.11	4.27	6.43
Wardsville.....	52	60	3.6	0.9	2.27	3.89	5.51
Warkworth.....	52	50	3.5	1.2	2.12	4.28	6.44
Wasaga Beach.....	37	60	4.3	2.2	3.11	7.07	11.03
Waterdown.....	42	60	2.6	1.2	1.84	4.00	6.16
Waterford.....	44	60	2.5	1.1	1.75	3.73	5.71
Waterloo.....	42	60	2.6	1.1	1.80	3.78	5.76
Watford.....	46	60	3.1	1.1	2.07	4.05	6.03
Waubashene.....	45	60	3.2	1.2	2.16	4.32	6.48
Webbwood.....	52	60	6.0	2.5	4.14	8.64	13.14
Welland.....	42	60	2.4	1.1	1.69	3.67	5.65
Wellesley.....	45	60	3.3	1.3	2.25	4.59	6.93
Wellington.....	48	60	2.5	0.9	1.67	3.29	4.91
West Ferris Twp.....	46	60	3.8	1.5	2.59	5.29	7.99
West Lorne.....	52	60	3.3	1.2	2.21	4.37	6.53
Weston.....	43	60	2.5	1.2	1.78	3.94	6.10
Westport.....	40	60	3.0	1.0	1.98	3.78	5.58
Wheatley.....	53	60	3.3	1.2	2.21	4.37	6.53

†Local system.

See explanatory notes on pages 182 and 183.

# Utilities and Local Systems FOR ELECTRICAL SERVICE December 31, 1955

are subject to 10% prompt payment discount  
monthly charge

COMMERCIAL SERVICE					POWER SERVICE						
Demand rate per 100 watts 5.0 cents minimum 50 cents		Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand			Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand											
First 100 hours	All addi- tional hours	100 hours	200 hours	300 hours		First 50 hours	Next 50 hours	All addi- tional hours	100 hours	200 hours	300 hours
¢	¢	\$	\$	\$	\$	¢	¢	¢	\$	\$	\$
2.2	1.0	2.43	3.33	4.23	1.35	2.6	1.7	0.33	3.15	3.45	3.74
3.1	1.4	3.24	4.50	5.76	1.35	2.9	1.9	0.33	3.37	3.67	3.97
3.0	1.0	3.15	4.05	4.95	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.2	0.7	3.33	3.96	4.59	1.35	2.5	1.6	0.33	3.06	3.36	3.65
3.1	1.3	3.24	4.41	5.58	1.20	1.9	1.3	0.30	2.52	2.79	3.06
3.7	1.0	3.78	4.68	5.58	1.35	3.7	2.4	0.33	3.96	4.26	4.55
Special		3.50	4.50	5.50		Special			3.50	4.50	5.50
3.3	1.0	3.42	4.32	5.22	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.2	1.2	2.43	3.51	4.59	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.0	1.0	2.25	3.15	4.05	1.20	1.4	0.9	0.30	2.11	2.38	2.65
2.7	1.0	2.88	3.78	4.68	1.20	2.1	1.4	0.30	2.65	2.92	3.19
Special		3.50	4.50	5.50		Special			3.50	4.50	5.50
d2.1	0.7	2.65	3.28	3.91	f { 1.10	{ 2.1	{ 1.4	{ 0.38	{ 2.56	2.91	3.25
					1.50	{ 3.0	{ 1.2	{ 0.60	{ 3.24	3.78	4.32
2.5	1.6	2.70	4.14	5.58	1.35	2.3	1.5	0.33	2.92	3.22	3.52
3.0	1.0	3.15	4.05	4.95	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.3	1.9	3.42	5.13	6.84	1.35	2.8	1.8	0.33	3.28	3.58	3.88
1.6	0.6	1.89	2.43	2.97	1.00	1.5	1.1	0.25	2.07	2.29	2.52
2.1	0.9	2.34	3.15	3.96	1.20	1.9	1.3	0.33	2.52	2.82	3.11
2.7	0.8	2.88	3.60	4.32	1.35	2.2	1.4	0.33	2.83	3.13	3.43
4.0	1.5	4.05	5.40	6.75	1.35	2.3	1.5	0.33	2.92	3.22	3.52
2.7	1.3	2.88	4.05	5.22	1.35	2.8	1.8	0.33	3.28	3.58	3.88
2.4	0.9	2.61	3.42	4.23	1.20	1.7	1.2	0.30	2.38	2.65	2.92
2.6	0.9	2.79	3.60	4.41	1.20	2.1	1.4	0.30	2.65	2.92	3.19
3.2	0.8	3.33	4.05	4.77	1.35	2.8	1.8	0.33	3.28	3.58	3.88
3.0	1.0	3.15	4.05	4.95	1.35	3.1	2.0	0.33	3.51	3.81	4.10
3.7	1.7	3.78	5.31	6.84	1.35	2.5	1.6	0.33	3.06	3.36	3.65
2.2	1.2	2.43	3.51	4.59	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.0	0.9	2.25	3.06	3.87	1.20	1.4	0.9	0.30	2.11	2.38	2.65
2.2	1.0	2.43	3.33	4.23	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.8	0.9	2.97	3.78	4.59	1.35	2.5	1.6	0.33	3.06	3.36	3.65
2.6	1.2	2.79	3.87	4.95	1.35	3.2	2.1	0.33	3.60	3.90	4.19
5.5	2.5	5.40	7.65	9.90	1.35	3.5	2.3	0.33	3.82	4.12	4.42
2.1	1.0	2.34	3.24	4.14	1.20	1.9	1.3	0.30	2.52	2.79	3.06
2.8	1.2	2.97	4.05	5.13	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.3	0.7	2.52	3.15	3.78	1.35	2.0	1.3	0.33	2.70	3.00	3.29
3.3	1.2	3.42	4.50	5.58	1.35	2.3	1.5	0.33	2.92	3.22	3.52
2.8	1.2	2.97	4.05	5.13	1.35	2.9	1.9	0.33	3.37	3.67	3.97
2.0	1.0	2.25	3.15	4.05	1.20	1.6	1.0	0.30	2.25	2.52	2.79
2.5	1.0	2.70	3.60	4.50	1.35	2.2	1.4	0.33	2.83	3.13	3.43
2.9	1.2	3.06	4.14	5.22	1.35	2.5	1.6	0.33	3.06	3.36	3.65

Municipal Electrical  
RATES AND TYPICAL BILLS  
in effect

Rates are quoted on a monthly basis and  
a minimum

Municipality	Flat-rate water-heaters per 100 watts	Number of kwh supplied in first block	DOMESTIC SERVICE				
			Rate per kwh for		Net monthly bill for		
			First block of kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	\$	\$
Whitby.....	41	60	2.7	1.2	1.89	4.05	6.21
Warton.....	47	60	2.5	0.9	1.67	3.29	4.91
Williamsburg.....	40	60	2.0	0.8	1.37	2.81	4.25
Winchester.....	42	60	2.5	1.2	1.78	3.94	6.10
Windermere.....	66	60	4.0	1.5	2.70	5.40	8.10
Windsor.....	47	60	3.2	1.3	2.20	4.54	6.88
Wingham.....	45	60	2.6	1.0	1.76	3.56	5.36
Woodbridge.....	44	60	2.8	1.2	1.94	4.10	6.26
Woodstock.....	43	60	3.3	1.2	2.21	4.37	6.53
Woodville.....	48	60	3.8	1.2	2.48	4.64	6.80
Wyoming.....	50	60	3.4	1.0	2.20	4.00	5.80
York Twp.....	42	60	2.3	1.1	1.64	3.62	5.60
Zurich.....	51	60	3.7	1.2	2.43	4.59	6.75

NOTES

Service Charges

- a 33¢ per month per service when the permanently installed appliance load is under 2,000 watts and 66¢ per month when 2,000 watts or more.
- b 56¢ per month.
- c \$1.00 per hp.
- d Demand rate 8.5¢ per 100 watts, minimum 50¢.
- e Minimum demand charge 25¢
- f Direct-current service \$1.50 per kw per month for first 7½ kw plus \$1.05 per kw for all additional demand.

# Utilities and Local Systems FOR ELECTRICAL SERVICE

December 31, 1955

are subject to 10% prompt payment discount  
monthly charge

COMMERCIAL SERVICE					POWER SERVICE						
Demand rate per 100 watts 5.0 cents minimum 50 cents		Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand			Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand						First 50 hours	Next 50 hours	All addi- tional hours	100 hours	200 hours	300 hours
First 100 hours	All addi- tional hours	100 hours	200 hours	300 hours							
¢	¢	\$	\$	\$	\$	¢	¢	¢	\$	\$	\$
2.3	1.0	2.52	3.42	4.32	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.0	0.9	2.25	3.06	3.87	1.35	2.2	1.4	0.33	2.83	3.13	3.43
2.0	0.8	2.25	2.97	3.69	1.35	3.1	2.0	0.33	3.51	3.81	4.10
2.0	1.1	2.25	3.24	4.23	1.35	2.0	1.3	0.33	2.70	3.00	3.29
4.0	1.5	4.05	5.40	6.75	1.35	4.1	2.7	0.33	4.27	4.57	4.87
2.8	1.3	2.97	4.14	5.31	1.35	2.3	1.5	0.33	2.92	3.22	3.52
2.1	1.0	2.34	3.24	4.14	1.35	2.0	1.3	0.33	2.70	3.00	3.29
2.3	1.2	2.52	3.60	4.68	1.20	2.1	1.4	0.30	2.65	2.92	3.19
2.5	1.0	2.70	3.60	4.50	1.20	1.7	1.2	0.30	2.38	2.65	2.92
3.2	1.2	3.33	4.41	5.49	1.35	2.5	1.6	0.33	3.06	3.36	3.65
2.9	0.7	3.06	3.69	4.32	1.35	3.2	2.1	0.33	3.60	3.90	4.19
2.1	1.0	2.34	3.24	4.14	1.20	1.9	1.3	0.30	2.52	2.79	3.06
3.4	0.9	3.51	4.32	5.13	1.35	3.1	2.0	0.33	3.51	3.81	4.10

## NOTES

### Special Rates or Discounts

▲ 2-wire service next 80 kwh; 3-wire service next 180 kwh.

§ Local discount 15 and 10 per cent.

\* First 60 kwh of monthly consumption at 2.0¢, second 60 kwh and all kwh in excess of 1,000 at 1.0¢.

\*\* Flat-rate water-heater service—Toronto:

System-owned—First 400 watts \$2.90 per month.

Each 100 watts additional 40¢ per month, plus a monthly charge for larger tank sizes as follows:

30¢ for 1,000-watt and 1,200-watt heaters.

40¢ for 1,500-watt heaters.

50¢ for 2,000-watt and 2,500-watt heaters.

55¢ for heaters 3,000 watts and over.

Customer-owned—First 400 watts \$1.98 per month.

Each 100 watts additional 40¢ per month.

**Municipal Electrical  
CUSTOMERS, REVENUE,  
for the Year Ended  
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Barrie.....	17,386	5,222	255,943.47	27,434,695	4,503	508	0.93
Belleville.....	20,825	6,962	286,586.59	36,267,148	5,865	515	0.79
Brampton.....	11,738	3,720	210,066.46	18,495,781	3,243	475	1.14
Brantford.....	50,592	16,220	710,401.99	63,190,428	14,047	375	1.12
Brockville.....	14,402	4,496	185,031.80	17,423,267	3,895	373	1.06
Chatham.....	22,973	7,350	279,949.02	14,994,372	6,111	205	1.87
East York Twp.....	69,252	20,106	1,179,301.98	104,816,827	18,984	460	1.13
Etobicoke Twp.....	93,997	31,527	2,071,888.47	199,550,725	29,304	568	1.04
Forest Hill.....	18,880	6,590	478,277.03	45,065,175	5,921	634	1.06
Fort William.....	38,766	11,721	570,540.74	78,860,080	10,134	648	0.72
Galt.....	22,764	7,581	361,284.77	29,828,961	6,679	372	1.21
Guelph.....	32,357	10,153	511,178.16	45,063,330	9,013	417	1.13
Hamilton.....	223,525	69,521	2,961,524.58	256,972,520	60,627	353	1.15
Kingston.....	44,752	13,788	670,064.79	72,034,403	12,086	497	0.93
†Kirkland Lake (including Swastika).....	\$18,140	5,688	227,848.38	14,808,985	4,772	259	1.54
Kitchener.....	57,138	18,166	1,017,947.31	88,516,911	16,239	454	1.15
Lindsay.....	10,114	3,497	176,375.09	13,592,557	2,959	383	1.30
London.....	97,676	30,022	1,378,636.10	113,898,109	26,997	352	1.21
London Twp.....	26,589	931	58,211.34	4,052,451	899	376	1.44
Mimico.....	13,054	4,279	221,917.77	20,115,238	3,907	429	1.10
Niagara Falls.....	24,408	7,330	280,519.43	28,373,308	6,113	387	0.99
North Bay.....	21,239	6,161	298,586.27	27,906,263	5,153	451	1.07
North York Twp.....	148,258	47,456	3,041,585.63	293,868,288	43,720	560	1.04
Orillia.....	13,301	4,730	197,955.95	19,524,782	4,009	406	1.01
Oshawa.....	47,348	14,755	802,302.14	77,193,369	13,322	483	1.04
Ottawa (including Eastview and Rockcliffe Park).....	214,247	69,922	3,076,327.33	392,819,828	60,544	541	0.78
Owen Sound.....	17,393	5,692	241,302.57	21,002,581	4,892	358	1.15
Peterborough.....	41,253	13,121	658,179.36	67,685,754	11,559	488	0.97
Port Arthur.....	36,522	11,569	516,943.65	59,589,570	10,091	492	0.87
Port Colborne.....	13,832	4,222	140,391.23	10,266,435	3,666	233	1.37
Riverside.....	12,548	3,945	215,866.52	13,885,828	3,733	310	1.56
St. Catharines.....	39,944	13,422	641,603.89	50,739,597	11,653	363	1.27
St. Thomas.....	18,834	6,599	304,073.89	24,818,307	5,783	358	1.23
Sarnia.....	41,004	12,942	591,070.40	43,258,875	11,621	310	1.37
Scarborough Twp.....	110,286	37,961	2,342,734.29	173,828,314	35,239	411	1.35
Stamford Twp.....	24,354	7,039	420,788.42	38,538,960	6,554	490	1.09
Stratford.....	19,780	6,574	359,058.45	30,999,725	5,788	446	1.16
Sudbury.....	47,057	14,670	828,931.08	68,633,005	12,982	441	1.21
†Timmins (including Schumacher).....	\$30,300	9,087	384,859.35	25,286,756	7,791	271	1.52
Toronto (including Leaside).....	698,636	197,016	10,205,273.07	851,006,210	161,572	439	1.20
Toronto Twp.....	43,232	11,327	874,851.01	68,404,444	10,440	546	1.28
Trafalgar Twp.....	11,739	2,794	217,245.19	14,832,094	2,655	466	1.47
Trenton.....	10,912	3,510	139,010.00	16,630,598	2,995	463	0.84
Waterloo.....	15,237	4,977	261,285.24	24,941,545	4,514	460	1.05
Welland.....	16,256	4,867	154,973.97	12,584,679	4,126	254	1.23
Windsor.....	127,641	36,140	1,647,850.97	108,619,352	31,357	289	1.52
Woodstock.....	17,068	5,948	303,228.38	25,598,928	5,155	414	1.19
York Twp.....	113,289	34,129	1,709,320.37	169,728,909	31,439	450	1.01

†Local system

§Estimated

Utilities and Local Systems  
AND CONSUMPTION  
December 31, 1955  
Population 10,000 or more

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Ave- rage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Ave- rage cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
131,308.56	9,565,757	626	1,273	1.37	107,004.54	11,368,502	93	4,392	10,187	0.94
166,489.84	14,939,661	943	1,320	1.11	120,304.20	14,301,944	154	5,166	7,739	0.84
77,654.05	4,854,710	390	1,037	1.60	79,361.83	6,701,627	87	2,772	6,419	1.18
267,072.63	20,825,068	1,858	934	1.28	703,926.03	71,745,524	315	25,587	18,980	0.98
74,761.93	5,682,879	518	914	1.32	205,109.81	23,853,828	83	7,008	23,950	0.86
309,071.82	14,569,430	1,052	1,154	2.12	351,209.65	25,513,179	187	9,922	11,370	1.38
202,491.54	14,663,431	967	1,264	1.38	261,971.70	26,099,887	155	8,633	14,032	1.00
437,504.91	29,886,307	1,833	1,359	1.46	721,385.02	82,132,493	390	23,765	17,550	0.88
136,409.96	8,774,985	595	1,229	1.56	21,752.39	1,780,000	74	772	2,005	1.22
273,521.30	27,072,528	1,370	1,647	1.01	467,777.09	53,523,392	217	18,565	20,554	0.87
151,384.20	8,586,625	715	1,001	1.76	399,822.65	36,499,323	187	13,493	16,265	1.10
191,665.91	12,748,573	937	1,134	1.50	389,475.33	44,343,156	203	13,612	18,203	0.88
1,483,216.55	115,436,110	7,424	1,296	1.29	6,337,294.62	911,255,760	1,470	195,482	51,658	0.70
454,551.97	39,426,972	1,469	2,237	1.15	307,985.97	32,362,723	233	10,637	11,575	0.95
132,717.38	8,593,071	793	903	1.54	59,558.14	5,151,395	123	1,697	3,490	1.16
446,635.32	27,904,401	1,550	1,491	1.60	1,102,220.35	108,986,890	367	31,449	24,747	1.01
93,450.13	4,897,488	459	889	1.91	88,827.41	8,933,595	79	2,791	9,424	0.99
682,185.50	48,154,065	2,596	1,546	1.42	1,105,725.11	125,146,988	429	36,657	24,310	0.88
7,691.43	373,712	27	1,153	2.06	7,742.11	681,113	5	182	11,352	1.14
72,686.10	4,638,536	315	1,227	1.57	51,463.22	3,824,506	57	1,636	5,591	1.35
227,715.96	17,023,106	1,039	1,365	1.34	254,528.37	28,996,981	178	9,244	13,575	0.88
169,293.64	12,693,915	883	1,198	1.33	103,193.25	9,636,623	125	3,251	6,424	1.07
868,600.66	50,728,294	3,209	1,317	1.71	766,397.47	74,939,304	527	24,997	11,850	1.02
121,898.90	9,410,061	591	1,327	1.30	249,852.81	25,163,962	130	9,905	16,131	0.99
277,879.18	17,042,267	1,234	1,151	1.63	955,342.46	104,209,814	199	30,341	43,639	0.92
2,738,299.26	228,476,010	8,407	2,265	1.20	730,349.57	78,320,221	971	30,005	6,722	0.93
136,489.45	8,524,212	676	1,051	1.60	141,627.18	13,040,681	124	5,505	8,764	1.09
306,172.44	19,497,975	1,334	1,218	1.57	481,258.11	56,067,592	228	16,558	20,493	0.86
265,159.25	22,967,003	1,299	1,473	1.16	529,335.24	57,767,761	179	22,675	26,894	0.92
80,879.93	4,356,668	493	736	1.86	72,161.07	7,304,922	63	2,209	9,663	0.99
32,659.06	1,724,657	187	769	1.89	31,886.39	1,601,670	25	897	5,339	1.99
347,545.29	20,001,451	1,500	1,111	1.74	892,060.20	89,755,661	269	27,034	27,805	0.99
134,238.70	9,603,500	711	1,126	1.40	211,463.33	23,195,338	105	6,894	18,409	0.91
285,166.16	17,781,380	1,189	1,246	1.60	965,943.28	123,943,001	132	20,770	78,247	0.78
524,353.22	33,050,345	2,362	1,166	1.59	1,017,500.12	100,991,287	360	28,593	23,378	1.01
108,347.05	5,152,208	428	1,003	2.10	89,399.99	8,290,572	57	2,984	12,121	1.08
134,727.68	8,438,212	629	1,118	1.60	168,880.52	16,564,652	157	5,896	8,792	1.02
416,326.27	24,196,197	1,504	1,341	1.72	125,382.11	9,968,616	184	3,631	4,515	1.26
187,381.33	11,317,693	1,147	822	1.66	50,394.31	2,401,892	149	1,594	1,343	2.10
7,712,120.37	507,644,210	28,813	1,468	1.52	12,137,968.79	1,179,997,111	6,631	336,632	14,829	1.03
180,986.67	8,707,283	757	959	2.08	623,184.51	75,093,285	130	14,014	48,137	0.83
30,977.61	1,170,403	114	856	2.65	24,568.10	1,524,498	25	656	5,082	1.61
56,214.51	4,925,501	437	939	1.14	188,323.60	26,681,322	78	6,676	28,506	0.71
93,297.90	5,794,305	367	1,316	1.61	210,067.99	17,532,774	96	6,334	15,219	1.20
127,066.86	8,082,870	623	1,081	1.57	346,691.69	34,496,510	118	10,417	24,362	1.01
1,098,210.83	57,846,928	4,093	1,178	1.90	2,180,911.17	181,636,307	690	57,133	21,937	1.20
158,801.89	8,887,193	661	1,120	1.79	305,692.10	31,742,030	132	9,672	20,039	0.96
494,386.63	31,779,072	2,315	1,144	1.56	569,192.11	43,469,259	375	17,303	9,660	1.31

**Municipal Electrical  
CUSTOMERS, REVENUE,  
for the Year Ended  
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Acton.....	3,367	1,123	54,462.58	4,302,001	969	370	1.27
†Ajax.....	5,689	1,618	96,978.80	7,641,612	1,427	446	1.27
Alexandria.....	2,405	782	25,527.63	2,026,397	622	272	1.26
Alliston.....	2,705	890	37,652.52	3,277,214	717	381	1.15
Almonte.....	2,719	993	35,240.54	3,909,574	833	391	0.90
Amherstburg.....	4,028	1,291	76,919.62	5,851,567	1,074	454	1.32
Ancaster Twp.....	9,608	890	66,390.37	5,261,850	825	532	1.26
Arnprior.....	4,930	1,518	64,610.18	5,549,640	1,306	354	1.16
†Atikokan Twp.....	5,286	1,487	115,296.97	6,786,780	1,276	443	1.70
Aurora.....	3,742	1,419	73,068.63	6,785,073	1,202	470	1.08
Aylmer.....	4,190	1,439	54,788.49	4,996,151	1,185	351	1.10
Beamsville.....	2,071	746	39,922.41	3,705,799	634	487	1.08
Blenheim.....	2,753	1,018	24,167.39	1,570,560	819	160	1.54
†Blind River.....	2,869	861	31,199.81	1,520,668	701	181	2.05
Bowmanville.....	6,380	2,194	100,970.95	8,874,176	1,937	382	1.14
Brantford Twp.....	5,989	111	6,949.29	496,904	92	450	1.40
Brighton.....	2,074	872	37,752.59	2,706,540	701	322	1.40
Burlington.....	8,834	3,019	178,361.46	15,759,397	2,640	498	1.13
†Burlington Beach.....	3,327	931	43,280.10	3,332,708	829	335	1.30
Caledonia.....	2,037	746	20,958.49	1,477,172	603	204	1.42
Capreol.....	2,161	729	44,819.10	2,944,020	652	376	1.52
Carleton Place.....	4,674	1,630	60,156.76	5,657,497	1,380	342	1.06
*Chapleau Twp.....	3,178	852	17,992.46	375,658	729	129	4.79
Clinton.....	2,814	1,097	55,964.11	4,394,020	890	411	1.27
†Cobalt.....	2,356	743	32,818.97	1,775,309	610	243	1.85
Cobourg.....	8,269	2,915	159,670.62	13,714,513	2,528	452	1.16
Cochrane.....	3,700	1,174	66,181.43	5,174,348	945	456	1.28
Collingwood.....	7,740	2,685	99,392.89	7,972,298	2,286	291	1.25
Delhi.....	2,985	1,212	39,792.85	3,194,105	944	282	1.25
Dresden.....	2,195	846	22,101.16	1,186,441	656	151	1.86
Dryden.....	4,424	1,344	81,952.06	6,633,123	1,144	483	1.24
Dundas.....	9,144	2,960	124,109.65	10,679,991	2,566	347	1.16
Dunnville.....	4,886	1,768	49,491.70	2,904,059	1,449	167	1.70
Elmira.....	2,733	1,018	45,924.46	4,144,104	838	412	1.11
Essex.....	3,217	1,086	34,551.09	2,153,810	879	204	1.60
Exeter.....	2,708	1,082	55,657.72	4,099,815	884	387	1.36
Fergus.....	3,521	1,212	67,985.94	4,866,545	1,046	388	1.40
Georgetown.....	5,004	2,007	109,948.41	8,347,408	1,783	390	1.32
†Geraldton.....	3,278	980	45,821.05	2,320,679	818	236	1.97
Goderich.....	5,960	2,160	113,077.26	7,875,354	1,818	361	1.44

†Local system

\*4 months' operation

## Utilities and Local Systems

## AND CONSUMPTION

December 31, 1955

Population 2,000 to 9,999

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Ave- rage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers monthly loads billed	Monthly consumption per customer	Ave- rage cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
24,362.85	1,218,856	126	806	2.00	84,061.81	6,456,751	28	2,233	19,217	1.30
44,371.01	1,903,359	144	1,102	2.33	104,112.33	8,659,643	47	2,764	15,354	1.20
19,323.25	1,166,948	140	695	1.66	18,877.54	771,023	20	297	3,213	2.45
16,607.35	996,257	147	565	1.67	13,349.69	810,992	26	486	2,599	1.65
12,929.32	766,806	132	484	1.69	27,031.66	3,034,524	28	945	9,031	0.89
31,466.30	1,834,630	188	813	1.72	35,598.19	2,391,099	29	949	6,871	1.49
11,947.25	472,950	57	691	2.53	3,090.64	143,380	8	81	1,494	2.16
37,971.82	2,145,895	180	994	1.77	48,101.84	4,533,314	32	1,662	11,806	1.06
63,965.12	2,548,181	191	1,112	2.51	10,059.49	587,616	20	291	2,448	1.71
35,570.77	2,457,952	185	1,107	1.45	43,577.88	3,541,405	32	1,474	9,222	1.23
33,705.87	2,374,397	221	895	1.42	50,928.33	4,945,488	33	1,623	12,489	1.03
14,191.10	808,709	99	681	1.76	6,067.00	372,240	13	216	2,386	1.63
26,875.58	1,507,835	180	698	1.78	19,875.29	995,230	19	599	4,365	2.00
35,391.10	1,518,798	150	844	2.33	9,922.36	546,830	10	202	4,557	1.82
32,323.09	1,857,368	227	682	1.74	86,575.12	9,423,743	30	2,806	26,177	0.92
3,220.53	154,081	17	755	2.09	859.22	20,628	2	37	860	4.17
19,264.57	885,366	159	464	2.18	6,827.05	446,851	12	191	3,103	1.53
84,344.98	4,439,872	336	1,101	1.90	41,373.05	2,486,150	43	1,025	4,818	1.66
16,874.57	961,544	96	835	1.76	2,502.52	38,480	6	75	534	6.50
14,578.56	905,712	123	614	1.61	11,506.68	694,521	20	338	2,894	1.66
9,814.44	553,000	75	614	1.78	11,838.49	1,110,082	2	253	46,253	1.07
26,529.13	1,445,144	224	538	1.84	37,480.68	3,672,070	26	1,402	11,769	1.02
6,842.91	108,251	116	233	6.32	2,765.74	81,507	7	118	2,911	3.39
27,352.86	1,389,195	180	643	1.97	19,497.48	1,325,870	27	567	4,092	1.47
23,427.85	908,099	123	615	2.58	7,046.52	627,892	10	207	5,232	1.12
65,975.64	3,708,758	323	957	1.78	122,118.15	11,389,356	64	3,518	14,830	1.07
45,598.44	2,591,580	201	1,075	1.76	16,882.86	1,139,810	28	502	3,392	1.48
53,046.59	3,225,585	335	802	1.65	71,023.67	5,969,172	64	2,712	7,772	1.19
35,298.99	1,868,414	230	677	1.89	28,253.05	1,584,720	38	891	3,475	1.78
24,570.68	1,195,758	167	597	2.06	23,311.91	1,383,322	23	675	5,012	1.69
52,056.60	2,215,412	177	1,043	2.35	5,438.69	340,335	23	195	1,233	1.60
54,465.55	3,257,115	334	813	1.67	71,282.11	5,660,770	60	3,131	7,862	1.26
48,174.16	2,489,683	281	738	1.94	76,155.06	5,949,797	38	1,999	13,048	1.28
26,875.74	1,525,950	152	837	1.76	60,059.31	5,186,444	28	1,761	15,436	1.16
28,564.79	1,657,946	179	772	1.72	19,448.20	1,110,522	28	676	3,305	1.75
23,687.64	1,225,353	168	608	1.93	17,493.23	904,040	30	616	2,511	1.94
27,085.93	1,288,435	145	741	2.10	45,156.29	2,830,090	21	1,364	11,231	1.60
36,226.34	1,815,841	191	792	2.00	81,341.02	7,951,048	33	2,213	20,078	1.02
38,613.15	1,626,507	148	916	2.37	4,285.03	327,873	14	112	1,952	1.31
48,772.69	2,242,215	292	640	2.18	86,143.72	4,778,068	50	2,346	7,963	1.80

**Municipal Electrical**  
**CUSTOMERS, REVENUE,**  
**for the Year Ended**  
**MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Ave- rage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Gravenhurst.....	2,957	1,239	44,394.64	4,242,190	1,025	345	1.05
Grimsby.....	3,452	1,324	48,480.46	4,271,594	1,101	323	1.14
†Haileybury.....	2,280	786	40,717.60	2,972,482	634	391	1.37
Hanover.....	4,009	1,378	56,164.20	5,154,827	1,172	367	1.09
Hawkesbury.....	7,938	1,996	84,490.64	4,191,361	1,754	199	2.02
Hearst.....	2,336	705	40,759.84	1,190,115	557	178	3.43
Hespeler.....	3,895	1,244	54,759.26	4,098,404	1,092	313	1.34
Huntsville.....	3,170	1,161	48,834.79	4,526,591	935	403	1.08
Ingersoll.....	6,747	2,247	95,161.95	6,245,160	1,944	268	1.52
Kapuskasing.....	5,606	1,539	88,116.96	5,562,330	1,317	352	1.58
Kincardine.....	2,643	1,088	37,688.78	3,209,835	913	293	1.17
Kingsville.....	2,922	1,155	43,576.38	2,983,640	929	268	1.46
La Salle.....	2,421	700	50,940.43	2,939,950	650	377	1.73
Leamington.....	8,109	2,803	93,217.72	6,793,870	2,339	242	1.37
Listowel.....	3,347	1,356	61,029.27	4,560,905	1,122	339	1.34
Long Branch.....	9,616	3,351	163,212.26	15,396,655	3,006	427	1.06
Markham.....	2,706	880	44,921.95	3,748,237	760	411	1.20
†Mattawa.....	3,096	723	36,447.45	1,930,759	619	260	1.89
McGarry.....	2,496	432	24,906.45	1,928,263	376	427	1.29
Meaford.....	3,415	1,421	49,081.37	4,224,282	1,194	295	1.16
Merritton.....	5,384	1,548	77,764.03	6,501,860	1,411	384	1.20
Midland.....	8,030	2,550	112,740.58	9,395,560	2,212	354	1.20
Milton.....	3,840	1,414	71,228.52	5,383,532	1,232	364	1.32
Mitchell.....	2,084	862	42,119.38	3,107,785	688	376	1.36
Morrisburg.....	2,005	777	26,543.68	2,252,730	589	319	1.18
Mount Forest.....	2,390	888	31,749.42	2,590,419	700	308	1.23
Napanee.....	3,996	1,562	67,385.10	6,227,406	1,270	409	1.08
†New Liskeard.....	4,158	1,429	74,385.26	5,360,476	1,178	379	1.39
Newmarket.....	6,624	2,282	106,225.47	9,630,952	1,982	405	1.10
New Toronto.....	9,835	3,066	156,368.07	14,764,110	2,626	469	1.06
Niagara.....	2,553	1,004	61,996.32	5,601,242	870	537	1.11
Nipigon Twp.....	2,294	611	25,001.89	2,082,168	501	346	1.20
Oakville.....	9,751	3,270	154,074.62	12,258,103	2,700	378	1.26
Orangeville.....	3,719	1,372	56,200.98	4,935,500	1,114	369	1.14
Paris.....	5,429	1,778	75,606.79	5,712,675	1,535	310	1.32
Parry Sound.....	5,378	1,758	68,179.09	6,134,121	1,467	349	1.11
Penetanguishene.....	4,608	1,308	46,663.70	3,834,674	1,129	283	1.22
Perth.....	5,107	1,817	66,911.47	6,016,868	1,524	329	1.11
Petrolia.....	3,409	1,261	38,073.52	2,049,351	1,035	165	1.86
Pictou.....	4,713	1,762	71,237.91	7,195,160	1,449	414	0.99

†Local system

## Utilities and Local Systems

## AND CONSUMPTION

December 31, 1955

Population 2,000 to 9,999—Continued

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
29,653.81	2,317,948	185	1,044	1.28	33,904.89	3,154,820	29	1,218	9,066	1.08
31,758.14	2,024,780	200	844	1.57	19,621.42	1,984,942	23	619	7,192	0.99
24,648.30	1,007,752	130	646	2.45	9,368.30	654,324	22	293	2,479	1.43
20,822.05	1,310,977	174	628	1.59	42,607.44	3,479,339	32	1,653	9,061	1.23
58,612.51	2,361,902	217	907	2.48	7,789.90	560,657	25	239	1,869	1.39
46,447.76	995,597	137	606	4.67	5,576.34	293,259	11	104	2,222	1.90
18,106.30	910,565	121	627	1.99	154,606.98	17,518,494	31	4,783	47,093	0.88
41,555.12	2,541,170	197	1,075	1.64	26,977.62	2,890,599	29	910	8,306	0.93
49,845.50	2,692,895	254	884	1.85	101,501.38	8,877,742	49	3,111	15,098	1.14
74,278.76	3,511,684	198	1,478	2.12	7,676.93	300,515	24	309	1,043	2.56
21,988.41	1,086,467	152	596	2.02	29,751.64	2,001,600	23	838	7,252	1.49
28,715.39	1,473,910	198	620	1.95	28,849.92	1,566,975	28	1,024	4,664	1.84
14,004.79	510,791	43	990	2.74	3,611.46	92,139	7	80	1,097	3.92
65,949.25	3,919,139	400	817	1.68	86,226.75	7,952,696	64	2,362	10,355	1.08
37,713.13	1,811,279	202	747	2.08	37,646.34	2,345,184	32	1,191	6,107	1.61
50,599.73	3,467,410	312	926	1.46	52,131.89	4,453,368	33	1,767	11,246	1.17
14,367.37	823,612	103	666	1.74	7,020.54	299,981	17	288	1,470	2.34
32,405.59	1,153,208	98	981	2.81	12,325.25	782,640	6	341	10,870	1.58
13,190.23	693,619	54	1,070	1.90	1,479.67	143,890	2	27	5,995	1.03
25,128.98	1,632,512	195	698	1.54	27,864.42	1,739,695	32	882	4,530	1.60
22,095.91	1,052,444	113	776	2.10	509,901.61	68,367,336	24	13,345	237,387	0.75
52,116.19	3,101,856	283	913	1.68	113,436.80	9,536,664	55	4,810	14,449	1.19
29,285.93	1,376,070	158	726	2.13	75,988.04	6,102,899	24	1,892	21,191	1.25
19,302.25	919,908	147	522	2.10	24,296.22	1,413,424	27	670	4,362	1.72
17,569.15	1,009,376	156	539	1.74	10,530.98	729,378	32	365	1,899	1.44
23,114.48	1,356,407	166	681	1.70	15,007.18	843,679	22	460	3,196	1.78
47,108.17	2,730,795	262	869	1.73	29,071.84	2,323,598	30	1,110	6,454	1.25
43,491.46	2,352,989	219	895	1.85	38,811.26	2,067,467	32	1,008	5,384	1.88
46,237.37	2,578,769	262	820	1.79	42,497.96	3,189,658	38	1,375	6,995	1.33
95,294.29	6,633,152	366	1,510	1.44	488,780.14	64,237,507	74	14,912	72,340	0.76
21,221.81	1,181,064	120	820	1.80	6,309.54	413,241	14	207	2,460	1.53
20,522.41	1,458,730	105	1,158	1.41	1,892.47	161,835	5	64	2,697	1.17
108,605.62	5,785,720	472	1,022	1.88	133,777.87	12,697,444	98	4,328	10,797	1.05
31,979.85	2,029,840	220	769	1.58	9,557.25	674,580	38	480	1,479	1.42
25,383.49	1,638,874	208	657	1.55	42,190.98	3,697,254	35	1,677	8,803	1.14
37,771.26	1,970,913	264	622	1.92	16,537.05	1,158,206	27	628	3,575	1.43
23,978.00	1,531,599	158	808	1.57	35,105.66	3,307,393	21	1,178	13,125	1.06
36,227.10	2,419,582	248	813	1.50	34,247.73	3,322,460	45	1,416	6,153	1.03
26,771.53	1,569,625	169	774	1.71	39,467.62	2,115,439	57	861	3,093	1.87
42,623.22	3,137,202	275	951	1.36	20,556.90	1,456,341	38	818	3,194	1.41

**Municipal Electrical  
CUSTOMERS, REVENUE,  
for the Year Ended  
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Point Edward.....	2,373	724	29,885.24	1,852,390	651	237	1.61
Port Credit.....	5,861	2,183	118,078.63	10,802,474	1,927	467	1.09
Port Dalhousie.....	2,910	1,016	72,340.76	6,103,790	921	552	1.19
Port Dover.....	2,648	1,384	36,702.90	2,537,472	1,167	181	1.45
Port Hope.....	6,968	2,506	125,389.74	11,239,426	2,166	432	1.12
Port Perry.....	2,103	750	36,583.42	2,512,038	620	338	1.46
Prescott.....	4,589	1,561	77,731.12	5,990,125	1,315	380	1.30
Preston.....	8,937	2,697	144,971.02	10,619,510	2,348	377	1.37
Renfrew.....	8,200	2,522	102,091.26	8,697,897	2,159	336	1.17
Richmond Hill.....	5,021	1,961	89,800.57	7,688,730	1,768	362	1.17
Ridgetown.....	2,458	991	23,816.10	1,500,348	790	158	1.59
Rockland.....	2,688	663	28,969.94	1,616,366	600	225	1.79
St. Mary's.....	4,134	1,518	81,247.34	6,283,400	1,272	412	1.29
Seaforth.....	2,165	792	34,024.29	2,646,875	640	345	1.29
Simcoe.....	7,582	2,908	82,526.54	6,876,399	2,298	249	1.20
Sioux Lookout.....	2,222	910	50,923.46	3,338,402	775	359	1.53
Smith's Falls.....	8,583	3,210	128,227.71	12,874,076	2,770	387	1.00
†South Porcupine Townsite.....	\$5,075	1,727	64,099.95	4,015,728	1,459	229	1.60
Stoney Creek.....	3,845	1,361	80,700.60	6,255,126	1,212	430	1.29
Stouffville.....	2,165	804	36,515.84	3,058,606	673	379	1.19
Strathroy.....	4,178	1,545	64,702.57	5,777,057	1,271	379	1.12
Streetsville.....	2,228	710	43,972.76	3,197,577	607	439	1.38
Sturgeon Falls.....	5,598	1,420	59,654.26	3,290,051	1,214	226	1.81
Swansea.....	8,512	2,852	174,892.33	16,849,464	2,651	530	1.04
Tecumseh.....	3,966	1,206	48,532.14	2,738,607	1,084	211	1.77
Thorold.....	7,616	2,253	96,516.00	7,988,870	2,003	332	1.21
Tilbury.....	3,147	1,084	25,508.08	1,871,790	883	177	1.36
Tillsonburg.....	6,016	2,250	83,811.72	5,618,737	1,826	256	1.49
Uxbridge.....	2,068	785	31,844.13	2,559,970	639	334	1.24
Walkerton.....	3,555	1,242	47,649.29	3,735,666	1,020	305	1.28
Wallaceburg.....	7,799	2,702	82,638.76	4,974,303	2,260	183	1.66
West Ferris Twp.....	3,485	1,322	76,989.89	3,959,210	1,190	277	1.95
Weston.....	9,143	3,005	170,419.68	16,155,384	2,626	513	1.06
Whitby.....	7,609	2,315	118,520.11	10,673,087	1,991	447	1.11
Wiarton.....	2,040	746	22,575.03	1,995,364	594	280	1.13
Wingham.....	2,802	997	42,574.34	3,875,987	803	402	1.10

†Local system

§Estimated

## Utilities and Local Systems

## AND CONSUMPTION

December 31, 1955

Population 2,000 to 9,999—Concluded

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
10,272.24	427,580	57	625	2.40	116,545.95	7,945,950	16	3,040	41,385	1.47
48,124.38	2,881,066	222	1,082	1.67	61,201.15	6,856,097	34	1,601	16,804	0.89
14,904.18	860,000	84	853	1.73	10,404.48	632,963	11	371	4,795	1.64
20,861.08	1,265,833	190	555	1.65	22,766.94	2,025,258	27	713	6,251	1.12
48,352.76	2,907,533	288	841	1.66	120,543.46	11,374,143	52	3,745	18,228	1.06
14,188.28	654,295	119	458	2.17	5,924.13	398,145	11	191	3,016	1.49
34,664.57	1,815,444	213	710	1.91	36,612.05	3,006,006	33	1,495	7,591	1.22
47,362.54	2,588,988	274	787	1.83	194,843.66	13,044,544	75	5,189	14,494	1.49
45,520.48	3,172,812	298	887	1.44	75,983.44	6,488,584	65	2,858	8,319	1.17
29,349.14	1,606,077	160	837	1.83	13,796.35	895,759	33	491	2,262	1.54
23,586.14	1,216,853	171	593	1.94	16,475.76	860,507	30	510	2,390	1.92
9,187.19	399,786	60	555	2.30	1,651.68	122,960	3	53	3,416	1.34
26,978.09	1,218,040	200	508	2.22	46,843.56	3,457,157	46	1,440	6,263	1.36
23,572.01	1,177,467	130	755	2.00	26,634.96	1,712,088	22	930	6,485	1.56
79,636.04	5,382,312	524	856	1.48	86,951.65	7,885,486	86	2,813	7,641	1.10
27,473.76	1,008,178	117	718	2.73	14,257.40	1,328,374	18	300	6,150	1.07
63,396.99	4,700,448	386	1,015	1.35	61,927.23	6,090,811	54	2,379	9,399	1.02
29,904.65	1,627,739	228	595	1.84	7,325.03	482,384	40	356	1,005	1.52
29,138.04	1,431,912	132	904	2.04	18,504.70	1,011,029	17	545	4,956	1.83
19,347.07	1,109,932	121	764	1.74	10,327.53	365,790	10	360	3,048	2.82
34,288.44	2,201,453	228	805	1.56	35,333.84	2,534,229	46	1,284	4,591	1.39
11,174.75	578,818	82	588	1.93	25,924.13	2,474,973	21	717	9,821	1.05
45,869.13	1,868,483	194	803	2.46	4,405.21	284,068	12	145	1,973	1.55
44,526.14	2,290,471	165	1,157	1.94	54,461.93	5,052,265	36	1,687	11,695	1.08
18,015.84	818,987	107	638	2.20	16,414.60	1,143,759	15	431	6,354	1.44
38,774.24	2,253,547	208	903	1.72	244,331.59	36,010,607	42	6,516	71,450	0.68
22,838.02	1,336,340	174	640	1.71	32,989.93	2,325,570	27	1,305	7,178	1.42
74,674.89	3,940,429	373	880	1.90	58,594.43	3,969,815	51	1,745	6,487	1.48
13,784.71	658,905	126	436	2.09	12,352.22	632,510	20	391	2,635	1.95
33,502.52	1,701,203	202	702	1.97	23,897.02	1,858,767	20	756	7,745	1.29
64,219.50	3,407,753	361	787	1.89	269,440.60	28,094,774	81	8,261	28,904	0.96
27,999.29	1,169,949	125	780	2.39	974.29	27,701	7	26	330	3.52
86,946.75	5,699,870	323	1,471	1.53	147,678.45	14,396,307	56	4,645	21,423	1.03
43,701.85	2,659,414	274	809	1.64	93,049.09	9,059,440	50	2,814	15,099	1.03
17,401.54	1,079,934	133	677	1.62	12,850.48	804,793	19	398	3,530	1.60
22,244.33	1,291,623	163	660	1.72	24,450.48	1,614,442	31	758	4,340	1.51

**Municipal Electrical**  
**CUSTOMERS, REVENUE,**  
**for the Year Ended**  
**MUNICIPALITIES**

MUNICIPALITY	Popu- lation	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Ailsa Craig.....	520	214	7,837.36	550,230	173	265	1.42
*Alfred.....	833	271	6,488.67	160,902	225	89	4.03
†Alfred.....		1					
Alvinston.....	673	330	6,217.91	302,250	258	98	2.06
Apple Hill.....	416	111	3,175.24	156,635	89	147	2.03
Arkona.....	393	179	7,666.49	444,075	139	266	1.73
Arthur.....	1,128	465	16,091.83	1,072,008	345	259	1.50
Athens.....	896	326	8,539.90	730,270	275	221	1.17
Ayr.....	963	350	15,619.48	1,144,988	287	332	1.36
Baden.....	807	246	13,106.35	902,335	212	355	1.45
†Bala.....	**399	657	21,741.61	909,633	578	131	2.39
Bancroft.....	1,612	498	17,841.63	1,042,860	404	215	1.71
Barry's Bay.....	1,409	354	11,561.00	419,435	299	117	2.76
Bath.....	518	222	8,285.92	505,960	196	216	1.64
Beachville.....	821	275	14,121.93	962,585	240	334	1.47
†Beardmore.....	1,099	298	12,947.62	658,156	225	244	1.97
Beaverton.....	1,075	495	19,522.41	1,496,456	401	311	1.31
Beeton.....	637	270	10,361.02	616,720	218	236	1.68
Belle River.....	1,680	633	21,962.53	1,077,660	543	165	2.04
Bloomfield.....	713	293	8,520.91	751,260	235	266	1.13
Blyth.....	709	318	10,200.25	751,860	242	259	1.36
Bobcaygeon.....	1,179	624	23,560.37	1,040,948	514	169	2.26
Bolton.....	1,084	418	18,219.32	1,550,674	339	381	1.18
Bothwell.....	784	302	6,876.91	507,300	226	187	1.36
Bradford.....	1,969	690	28,880.12	2,302,710	537	357	1.25
Braeside.....	476	143	4,905.60	256,579	131	163	1.91
Brechin.....	216	92	2,470.41	169,860	67	211	1.45
Bridgeport.....	1,431	387	20,853.12	1,642,194	349	392	1.27
Brigden.....	467	209	4,220.99	266,420	153	145	1.58
Bronte.....	1,913	621	33,583.22	2,210,654	558	330	1.52
Brussels.....	823	372	13,466.48	1,056,440	289	305	1.28
Burford.....	951	401	17,462.42	1,438,335	335	358	1.21
Burgessville.....	229	98	4,263.94	316,490	75	352	1.35
Burk's Falls.....	888	314	11,449.10	644,370	245	219	1.78
Cache Bay.....	875	199	7,169.93	212,423	180	98	3.38
Campbellville.....	320	85	4,840.98	336,964	73	385	1.44
Cannington.....	950	433	15,139.56	1,165,435	346	281	1.30
Cardinal.....	1,874	593	25,820.50	2,110,523	525	335	1.22
Casselman.....	1,187	335	14,688.39	600,895	294	170	2.44
Cayuga.....	795	321	8,618.32	524,870	237	185	1.64
Chatsworth.....	426	169	6,085.18	425,170	131	271	1.43

\*8 months' operation

†First 4 months' supply as local system receiving power in bulk and retailing it to ultimate customers

\*\*Excluding summer population

†Local system

## Utilities and Local Systems

## AND CONSUMPTION

December 31, 1955

Less than 2,000 population

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Ave- rage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Ave- rage cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
3,786.37	138,844	37	313	2.73	3,165.22	123,141	4	94	2,565	2.57
5,613.00	133,952	39	429	4.19	2,366.41	99,878	7	104	1,784	2.37
					5,806.28	237,600	1	181	59,400	2.44
5,383.24	236,188	65	303	2.28	2,127.23	78,870	7	71	939	2.70
1,214.19	52,496	21	208	2.31	148.67	2,300	1	9	192	6.46
4,226.34	155,460	37	350	2.72	2,815.96	77,646	3	59	2,157	3.63
10,335.26	436,535	105	347	2.37	5,212.46	256,792	15	199	1,427	2.03
3,157.08	255,598	49	435	1.24	1,067.75	44,700	2	29	1,863	2.39
6,578.82	305,210	51	499	2.16	7,468.79	285,323	12	247	1,981	2.62
3,383.40	180,917	29	520	1.87	4,825.48	163,045	5	182	2,717	2.96
5,663.85	221,066	76	242	2.56	882.76	37,794	3	56	1,050	2.34
13,178.07	531,040	88	503	2.48	3,433.91	116,530	6	144	1,618	2.95
6,959.76	256,580	52	411	2.71	829.91	56,550	3	15	1,571	1.47
2,568.35	108,890	24	378	2.36	595.77	12,040	2	12	502	4.95
2,396.14	113,375	33	286	2.11	51,355.37	5,649,200	2	1,005	235,383	0.91
16,121.32	687,402	71	807	2.35	188.01	2,140	2	9	89	8.79
8,143.43	421,030	84	418	1.93	14,346.31	749,770	10	509	6,248	1.91
3,939.68	157,800	44	299	2.50	4,920.19	263,440	8	115	2,744	1.87
13,898.02	559,887	85	549	2.48	3,848.61	187,489	5	92	3,125	2.05
5,548.27	303,365	50	506	1.83	2,896.89	56,475	8	118	588	5.13
5,770.03	283,117	69	342	2.04	10,365.11	654,550	7	223	7,792	1.58
13,235.70	436,765	105	347	3.03	2,795.69	146,795	5	77	2,447	1.90
7,529.14	386,610	62	520	1.95	4,042.31	144,495	17	172	708	2.80
5,951.59	444,650	66	561	1.34	4,703.09	102,610	10	213	855	4.58
21,625.79	997,135	126	659	2.17	19,825.91	1,327,845	27	567	4,098	1.49
725.46	23,660	9	219	3.07	8,085.61	504,746	3	244	14,021	1.60
2,871.04	125,981	24	437	2.28	703.04	27,600	1	26	2,300	2.55
6,237.33	310,752	32	809	2.01	2,935.85	197,980	6	91	2,750	1.48
3,367.63	163,035	49	277	2.07	4,407.98	119,110	7	132	1,418	3.70
11,573.66	641,195	56	954	1.81	2,432.22	141,270	7	113	1,682	1.72
6,075.11	358,930	74	404	1.69	6,388.90	320,475	9	165	2,967	1.99
5,653.36	306,380	59	433	1.85	3,862.43	151,052	7	153	1,798	2.56
1,521.51	80,462	20	335	1.89	1,761.06	30,660	3	74	852	5.74
8,969.84	336,152	63	445	2.67	3,282.54	82,820	6	132	1,150	3.96
1,727.68	44,393	16	231	3.89	22,623.24	929,418	3	448	25,817	2.43
840.29	37,360	11	283	2.25	446.23	39,300	1	8	3,275	1.14
6,160.39	285,436	76	313	2.16	5,551.13	207,509	11	199	1,572	2.68
7,940.06	398,855	65	511	1.99	991.76	75,920	3	28	2,109	1.31
5,940.87	182,360	37	411	3.26	5,704.51	355,730	4	149	7,411	1.60
8,237.76	411,112	75	457	2.00	4,752.28	163,560	9	202	1,514	2.91
5,050.11	225,511	37	508	2.24	1,077.46	35,333	1	28	2,944	3.05

**Municipal Electrical**  
**CUSTOMERS, REVENUE,**  
**for the Year Ended**  
**MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Chesley.....	1,668	699	24,981.17	2,096,970	574	304	1.19
Chesterville.....	1,203	397	13,755.87	1,175,784	316	310	1.17
Chippawa.....	1,911	640	31,348.43	2,561,848	578	369	1.22
Clifford.....	538	201	10,277.38	613,626	159	322	1.68
Cobden.....	828	365	11,094.35	976,860	280	291	1.14
Colborne.....	1,160	499	20,453.50	1,668,625	408	341	1.23
Coldwater.....	636	254	9,371.63	733,063	200	305	1.28
Comber.....	597	237	5,620.35	302,970	171	148	1.86
Cookstown.....	615	229	8,164.36	566,633	190	249	1.44
Cottam.....	601	236	7,087.95	425,870	195	182	1.66
Courtright.....	572	184	4,783.43	286,037	156	153	1.67
Creemore.....	817	345	12,434.14	1,005,600	287	292	1.24
Dashwood.....	395	174	8,156.03	469,167	139	281	1.74
Delaware.....	338	124	7,320.08	505,145	105	401	1.45
Deseronto.....	1,653	598	24,014.21	1,612,615	511	263	1.49
Dorchester.....	758	277	9,942.16	705,249	232	253	1.41
Drayton.....	558	252	10,032.70	566,779	204	232	1.77
Drumbo.....	356	153	6,083.35	453,603	119	318	1.34
Dublin.....	239	113	4,092.71	303,995	80	317	1.35
Dundalk.....	847	383	10,861.21	849,500	286	248	1.28
Durham.....	1,934	749	25,224.58	1,906,060	601	264	1.32
Dutton.....	814	345	7,727.22	467,110	268	145	1.65
Eganville.....	1,520	490	18,736.44	898,663	395	190	2.09
†Elk Lake Townsite.....	\$490	178	5,135.70	325,992	127	214	1.58
Elmvale.....	881	370	13,467.57	1,033,080	290	297	1.30
Elmwood.....	\$365	126	3,090.18	204,134	101	168	1.51
Elora.....	1,460	526	25,331.21	1,632,150	446	305	1.55
Embro.....	482	221	9,795.13	767,208	174	367	1.28
†Englehart.....	1,583	575	30,865.26	1,667,066	476	292	1.85
Erieau.....	450	305	10,233.63	672,980	274	205	1.52
Erie Beach.....	63	128	3,616.65	82,420	124	55	4.39
Erin.....	860	344	14,082.36	846,540	280	252	1.66
Finch.....	387	169	5,309.91	401,575	131	255	1.32
Flesherton.....	472	219	6,075.34	505,545	160	263	1.20
Fonthill.....	1,788	603	33,553.51	2,797,811	528	442	1.20
Forest.....	1,863	826	34,583.07	2,883,400	663	362	1.20
Frankford.....	1,560	524	18,239.07	1,347,643	441	255	1.35
Glencoe.....	1,062	445	8,929.16	560,837	344	136	1.59
Grand Bend.....	**734	743	29,733.41	1,364,151	658	173	2.18
Grand Valley.....	666	308	10,506.49	703,800	247	237	1.49

†Local system

§Estimated

\*\*Excluding summer population

## Utilities and Local Systems

## AND CONSUMPTION

December 31, 1955

Less than 2,000 population—Continued

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
11,634.83	657,080	100	548	1.77	11,278.71	746,492	25	418	2,488	1.51
9,077.28	498,070	75	553	1.82	19,424.01	1,890,370	6	547	26,255	1.03
6,877.82	370,458	59	523	1.86	1,105.57	98,505	3	33	2,736	1.12
4,476.54	206,545	36	478	2.17	1,843.11	105,670	6	48	1,468	1.74
7,134.11	362,469	77	392	1.97	4,201.30	194,129	8	177	2,022	2.16
10,379.80	452,909	86	439	2.29	2,251.86	127,790	5	67	2,130	1.76
4,879.75	281,492	50	469	1.73	3,424.08	122,680	4	119	2,556	2.79
5,193.51	237,200	58	341	2.19	6,102.41	195,410	8	187	2,036	3.12
3,355.15	120,207	36	278	2.79	2,087.08	153,500	3	70	4,264	1.36
3,360.57	140,120	36	324	2.40	2,623.29	64,542	5	84	1,076	4.06
3,296.91	127,490	27	394	2.59	588.81	49,389	1	12	4,116	1.19
4,470.74	212,980	54	329	2.10	1,561.88	66,020	4	71	1,375	2.37
3,357.91	114,580	32	298	2.93	1,771.07	36,580	3	69	1,016	4.84
2,648.78	107,120	19	470	2.47						
9,424.66	406,467	69	491	2.32	15,975.52	836,312	18	486	3,872	1.91
2,912.74	126,660	42	251	2.30	2,426.24	107,100	3	77	2,973	2.27
4,085.78	147,986	44	280	2.76	2,162.22	68,761	4	66	1,433	3.15
2,514.55	111,647	31	300	2.25	1,439.60	39,300	3	53	1,092	3.66
2,718.32	125,080	31	336	2.17	3,090.92	116,500	2	68	4,854	2.65
7,609.51	340,690	86	330	2.23	4,711.97	256,635	11	203	1,944	1.84
19,607.80	1,019,430	127	669	1.92	12,957.77	640,620	21	408	2,542	2.02
5,168.20	255,750	66	323	2.02	5,667.99	473,684	11	165	3,589	1.20
13,521.56	495,951	84	492	2.73	6,824.89	340,169	11	174	2,577	2.01
3,918.92	194,715	47	345	2.01	5,382.80	186,975	4	144	3,895	2.88
8,200.20	422,106	71	495	1.94	4,869.44	205,780	9	154	1,905	2.37
1,592.60	62,948	23	228	2.53	3,445.84	115,800	2	92	4,825	2.98
9,275.74	392,745	76	431	2.36	7,876.07	424,005	4	232	8,833	1.86
2,674.08	150,810	42	299	1.77	4,160.49	183,090	5	99	3,052	2.27
16,508.53	594,515	93	533	2.78	9,267.51	699,150	6	195	9,710	1.33
4,819.11	264,860	27	818	1.82	5,636.88	256,350	4	123	5,341	2.20
223.67	4,465	4	93	5.01						
6,647.17	296,961	59	419	2.24	805.12	35,681	5	20	595	2.26
3,000.22	118,030	33	298	2.54	1,514.60	72,710	5	36	1,212	2.08
5,191.33	295,170	57	432	1.76	1,605.07	82,420	2	58	3,434	1.95
7,972.72	428,314	67	533	1.86	4,075.17	162,329	8	139	1,691	2.51
18,080.97	906,520	141	536	2.00	10,623.80	833,100	22	353	3,156	1.28
6,287.75	293,984	77	318	2.14	1,730.72	91,170	6	82	1,266	1.90
12,720.35	666,017	89	624	1.91	3,424.17	116,131	12	168	806	2.95
17,334.29	596,414	85	585	2.91						
4,546.67	209,420	51	342	2.17	4,785.07	260,860	10	153	2,174	1.83

**Municipal Electrical**  
**CUSTOMERS, REVENUE,**  
**for the Year Ended**  
**MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Granton.....	258	116	4,422.45	249,964	91	229	1.77
Hagersville.....	1,920	716	20,307.11	1,426,150	550	216	1.42
Harriston.....	1,600	631	27,651.29	1,860,138	488	318	1.49
Harrow.....	1,829	639	34,349.27	2,352,058	506	387	1.46
Hastings.....	825	421	11,452.27	719,500	350	171	1.59
Havelock.....	1,273	431	15,720.64	873,177	358	203	1.80
Hensall.....	798	337	13,438.13	1,098,700	253	362	1.22
†Hepworth.....	360	121	3,714.32	182,810	95	160	2.03
Highgate.....	389	160	3,389.38	201,190	126	133	1.69
Holstein.....	187	93	2,644.72	189,880	76	208	1.39
*†Hornepayne.....	\$1,275	409	15,763.44	308,445	374	75	5.11
†Hudson Township.....	380	179	6,259.44	264,597	148	149	2.37
†Ignace.....	468	147	5,299.03	115,322	122	79	4.60
Iroquois.....	1,175	442	19,567.35	1,415,516	353	334	1.38
Jarvis.....	656	253	5,485.70	380,980	195	163	1.44
†Jellicoe Township.....	\$140	47	1,370.26	53,801	40	112	2.55
†Kearns Township.....	\$520	170	8,012.13	542,550	155	292	1.48
Kemptville.....	1,656	658	25,126.48	2,116,167	545	324	1.19
†King Kirkland Township.....	\$320	98	3,672.25	209,322	89	196	1.75
Kirkfield.....	226	101	3,150.37	156,190	80	163	2.02
Lakefield.....	1,901	663	24,817.62	2,250,121	552	340	1.10
Lambeth.....	1,510	474	31,366.91	2,317,641	434	445	1.35
Lanark.....	886	303	7,470.66	531,370	253	175	1.41
Lancaster.....	552	188	5,047.68	418,906	153	228	1.21
Larder Lake Twp.....	1,923	534	24,595.06	1,710,408	468	305	1.44
Latchford.....	514	152	4,901.03	145,176	124	98	3.38
L'Orignal.....	1,059	294	13,798.93	459,740	266	144	3.00
Lucan.....	893	323	17,441.69	1,250,608	256	407	1.40
Lucknow.....	903	480	12,593.28	1,020,057	363	234	1.24
Lynden.....	536	156	7,815.40	606,125	135	374	1.29
Madoc.....	1,485	553	19,379.04	1,383,360	425	271	1.40
Magnetawan.....	260	90	3,020.50	92,580	67	115	3.26
Markdale.....	910	387	11,705.86	1,023,840	293	291	1.14
Marmora.....	1,311	461	17,196.59	1,209,330	389	259	1.42
Martintown.....	440	111	3,997.17	228,970	85	225	1.75
Massey.....	1,026	288	14,636.19	470,582	235	167	3.11
†Matachewan Twp.....	1,104	286	12,013.88	795,070	246	269	1.51
†Matheson.....	713	276	15,307.24	1,134,744	216	438	1.35
Maxville.....	800	290	8,788.14	667,560	234	238	1.32
Merlin.....	542	239	5,570.49	357,280	176	169	1.56

\*11 months' operation

†Local system      §Estimated

## Utilities and Local Systems

## AND CONSUMPTION

December 31, 1955

Less than 2,000 population—Continued

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
1,541.46	50,965	24	177	3.03	225.47	2,380	1	22	198	9.47
18,425.22	1,039,272	142	610	1.77	43,656.47	3,407,953	24	1,447	11,833	1.28
15,808.00	704,017	127	462	2.25	22,204.16	1,401,453	16	735	7,299	1.58
23,202.22	1,023,065	124	688	2.27	10,747.58	249,110	9	366	2,307	4.31
6,621.64	262,730	67	327	2.52	2,224.10	67,235	4	53	1,401	3.31
7,175.19	310,603	71	365	2.31	2,200.59	99,600	2	56	4,150	2.21
7,144.61	346,810	62	466	2.06	13,481.67	517,750	22	529	1,961	2.60
3,570.17	128,347	26	411	2.78						
1,942.49	95,090	27	294	2.04	4,227.22	151,410	7	139	1,803	2.79
750.77	32,470	16	169	2.31	740.30	58,800	1	13	4,900	1.26
8,675.12	222,986	34	596	3.89	10,971.71	835,030	1	159	69,586	1.31
5,325.52	186,135	29	535	2.86	4,639.80	146,760	2	127	6,115	3.16
4,047.31	85,843	24	298	4.72	1,181.63	54,100	1	19	4,508	2.18
8,015.99	471,341	79	497	1.70	3,370.39	374,668	10	87	3,122	0.90
4,693.96	270,271	51	442	1.74	4,995.59	427,300	7	176	5,087	1.17
1,109.41	53,299	7	635	2.08						
3,594.91	154,909	14	922	2.32	594.09	19,420	1	15	1,618	3.06
12,068.97	658,551	100	549	1.83	20,132.93	1,268,115	13	641	8,129	1.59
1,534.71	64,029	9	593	2.40						
1,527.34	39,012	21	155	3.92						
14,686.10	869,204	98	739	1.69	30,309.86	4,382,088	13	810	28,090	0.69
5,079.38	220,611	37	497	2.30	1,243.33	65,360	3	23	1,816	1.90
3,706.48	228,088	49	388	1.63	1,149.85	72,280	1	31	6,023	1.59
3,452.18	213,230	35	508	1.62						
8,824.50	468,156	63	619	1.89	1,682.84	168,820	3	32	4,689	1.00
4,175.36	119,815	26	384	3.49	2,820.15	61,020	2	86	2,543	4.62
6,107.50	172,645	25	576	3.54	1,896.74	67,450	3	59	1,874	2.81
8,039.95	358,275	62	482	2.24	2,633.78	155,320	5	81	2,589	1.70
7,631.46	389,944	105	310	1.96	5,449.94	245,223	12	159	1,703	2.22
1,647.91	59,996	18	278	2.75	2,088.05	58,605	3	86	1,628	3.56
15,114.22	812,503	120	564	1.86	5,384.18	181,119	8	156	1,887	2.97
2,757.00	77,800	22	295	3.54	43.95	600	1	1	50	7.33
9,199.91	533,611	87	511	1.72	3,338.00	227,275	7	115	2,706	1.47
11,430.72	581,769	69	703	1.97	2,216.00	132,710	3	60	3,686	1.67
3,059.03	107,051	26	343	2.86						
7,927.53	222,586	49	379	3.56	627.07	15,104	4	16	315	4.15
5,057.73	202,291	39	432	2.50	9.75	274	1	2	23	3.56
7,233.46	379,158	52	608	1.91	3,263.44	207,877	8	88	2,165	1.57
6,270.71	266,875	53	420	2.35	4,156.77	85,750	3	118	2,382	4.85
5,632.73	311,799	59	440	1.81	2,698.99	96,357	4	157	2,007	2.80

**Municipal Electrical**  
**CUSTOMERS, REVENUE,**  
**for the Year Ended**  
**MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Ave- rage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Merrickville.....	980	331	11,777.17	753,720	274	229	1.56
Mildmay.....	826	310	10,128.69	873,658	238	306	1.16
Millbrook.....	783	306	12,634.18	876,230	238	307	1.44
Milverton.....	1,068	441	19,005.68	1,252,809	339	308	1.52
Moorefield.....	274	124	3,365.52	291,280	90	270	1.16
Mount Brydges.....	774	316	9,003.64	567,360	258	183	1.59
Neustadt.....	478	194	4,888.85	344,380	154	186	1.42
Newboro.....	317	123	3,607.12	158,832	112	118	2.27
Newburgh.....	527	169	7,413.95	409,910	145	236	1.81
Newbury.....	311	128	3,925.62	229,580	110	174	1.71
Newcastle.....	1,002	404	14,912.82	1,270,083	330	321	1.17
New Hamburg.....	1,933	660	32,298.15	2,453,535	524	390	1.32
Norwich.....	1,547	646	29,722.12	2,263,085	518	364	1.31
Norwood.....	1,018	376	14,701.05	1,097,320	299	306	1.34
Oil Springs.....	497	219	4,726.29	302,621	145	174	1.56
Omeme.....	755	287	10,844.97	806,042	247	272	1.35
Orono.....	739	321	13,622.34	928,780	274	283	1.47
Otterville.....	662	270	9,855.56	785,190	214	306	1.26
Paisley.....	747	327	11,080.46	734,580	252	243	1.51
Palmerston.....	1,587	623	24,765.89	2,259,412	501	376	1.10
Parkhill.....	1,015	475	19,180.60	1,356,210	370	306	1.41
†Pickle Lake Landing Townsite.....	\$75	35	1,477.13	74,069	21	294	1.99
Plattsville.....	464	179	8,162.47	583,220	148	328	1.40
*Port Burwell.....	688	396	4,570.48	125,380	344	91	3.65
†Port Carling.....	**449	443	23,669.20	1,051,873	387	227	2.25
Port Elgin.....	1,727	951	36,505.12	2,400,830	777	258	1.52
Port McNicoll.....	958	481	13,254.21	771,815	450	143	1.72
Port Rowan.....	774	321	6,737.20	356,110	244	122	1.89
Port Stanley.....	1,306	1,154	37,653.08	2,630,629	1,018	215	1.43
†Powassan.....	983	300	12,197.32	829,566	239	289	1.47
Priceville.....	154	64	2,241.87	82,348	54	127	2.72
Princeton.....	376	150	6,247.15	501,400	120	348	1.25
Queenston.....	438	152	9,476.84	881,101	130	565	1.08
†Red Lake Townsite.....	1,681	823	38,592.62	2,034,677	653	260	1.90
Red Rock.....	1,795	303	18,486.53	1,754,379	280	522	1.05
Richmond.....	745	234	11,511.95	798,976	209	318	1.44
Ripley.....	469	215	7,894.14	512,420	155	276	1.54
Rockwood.....	780	278	14,102.86	954,370	236	337	1.48
Rodney.....	989	434	9,445.16	700,755	344	170	1.35
Rosseau.....	234	114	3,279.49	141,530	95	124	2.32
Russell.....	525	203	7,211.91	469,480	167	234	1.54
St. Clair Beach.....	758	282	15,383.99	863,972	259	278	1.78
St. George.....	675	263	7,290.82	629,561	206	255	1.16
St. Jacobs.....	725	224	10,490.73	848,230	178	397	1.24
Schreiber Twp.....	1,952	539	25,814.39	2,333,393	482	403	1.11

†Local system

§Estimated

\*4 months' operation

\*\*Excluding summer population

Less than 2,000 population—Continued

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
4,698.14	221,400	48	384	2.12	4,298.37	247,075	9	185	2,288	1.74
5,775.83	300,863	64	392	1.92	2,623.93	140,373	8	66	1,462	1.87
7,851.80	260,230	66	329	3.02	736.32	50,600	2	14	2,108	1.46
11,849.46	462,388	87	443	2.56	13,951.21	590,673	15	488	3,282	2.36
3,409.84	209,600	32	546	1.63	1,269.71	58,990	2	45	2,458	2.15
3,032.58	153,920	54	238	1.97	4,287.01	142,850	4	132	2,976	3.00
2,486.17	125,700	36	291	1.98	6,277.15	390,610	4	165	8,138	1.61
1,243.48	46,770	11	354	2.66	1,732.71	84,600	2	45	3,525	2.05
3,191.69	109,360	22	414	2.92	244.13	4,640	1	13	387	5.26
1,141.78	55,972	17	274	2.04	9,902.08	566,065	10	295	4,717	1.75
9,501.00	614,621	64	800	1.55	16,953.24	933,454	20	485	3,889	1.82
14,911.64	714,032	116	513	2.09	4,877.06	200,024	12	161	1,389	2.44
14,550.01	668,021	116	480	2.18	4,012.55	130,610	5	150	2,177	3.07
8,335.23	333,650	72	386	2.50	6,779.77	636,906	34	141	1,561	1.06
2,322.69	86,855	40	181	2.67	3,979.86	254,098	6	94	3,529	1.57
3,683.06	155,656	34	382	2.37	1,300.35	39,969	3	41	1,110	3.25
4,482.40	194,174	44	368	2.31	2,058.96	68,860	9	81	638	2.99
3,782.14	195,305	47	346	1.94	3,891.42	213,290	9	91	1,975	1.82
5,263.73	223,135	66	282	2.36	12,867.00	991,568	20	521	4,132	1.30
11,301.48	643,353	102	526	1.76	8,438.38	378,612	13	203	2,427	2.23
12,966.01	559,460	92	507	2.32	11,373.76	764,000	1	281	63,667	1.49
1,152.64	28,700	14	171	4.02	236.67	1,430	3	40	119	16.55
2,297.52	80,221	30	223	2.86	1,229.04	72,343	5	50	1,206	1.70
2,524.99	75,880	49	387	3.33	7,518.18	430,124	14	240	2,560	1.75
6,489.97	195,441	51	319	3.32	31,651.57	1,470,800	2	945	61,283	2.15
18,629.69	794,236	160	414	2.35	1,534.68	46,420	6	44	645	3.31
2,246.65	109,910	29	316	2.04	14,808.60	604,450	18	660	2,798	2.45
7,400.02	247,312	71	290	2.99	354.61	5,430	4	15	113	6.53
13,579.00	792,391	118	560	1.71	1,716.80	76,235	4	59	1,588	2.25
10,235.16	431,185	57	630	2.37	8,868.20	361,138	6	179	5,016	2.46
954.67	33,182	10	277	2.88	733.82	120,540	2	16	5,023	0.61
1,713.43	78,560	26	252	2.18	2,785.57	136,000	2	56	5,667	2.05
5,665.81	351,204	22	1,330	1.61	2,278.93	136,725	3	57	3,798	1.67
38,558.47	1,811,359	164	920	2.13	198.83	7,305	3	6	203	2.72
8,733.14	601,030	21	2,385	1.45	6,643.75	241,510	11	238	1,830	2.75
2,842.48	111,226	23	403	2.56	358.85	35,000	2	8	1,458	1.03
4,368.29	130,860	57	191	3.34	2,103.41	81,440	4	44	1,697	2.58
5,301.55	252,312	39	539	2.10	4,551.58	271,820	5	157	4,530	1.67
6,216.15	320,018	79	338	1.94	6,038.20	289,190	8	236	3,012	2.09
1,827.08	79,053	19	347	2.31	4,992.91	324,960	3	127	9,027	1.54

**Municipal Electrical**  
**CUSTOMERS, REVENUE,**  
**for the Year Ended**  
**MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Ave- rage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Shelburne.....	1,251	537	19,994.88	1,384,210	424	272	1.44
Smithville.....	818	362	10,591.29	720,089	272	221	1.47
Southampton.....	1,743	979	29,145.67	2,041,325	851	200	1.43
Springfield.....	502	178	5,976.65	431,840	145	248	1.38
Stayner.....	1,338	569	21,526.17	1,571,550	450	291	1.37
Stirling.....	1,268	497	22,314.57	1,789,094	387	385	1.25
Sunderland.....	550	243	8,424.65	598,140	195	256	1.41
Sundridge.....	692	266	8,386.25	377,692	209	151	2.22
Sutton.....	1,278	821	23,399.11	1,681,359	667	210	1.39
Tara.....	473	233	8,019.78	543,345	176	257	1.48
Tavistock.....	1,101	484	21,510.37	1,708,460	368	387	1.26
Teeswater.....	906	360	11,374.58	877,505	282	259	1.30
Terrace Bay.....	1,789	391	30,064.19	3,857,870	351	916	0.78
Thamesford.....	653	257	15,189.23	965,015	202	398	1.57
Thamesville.....	1,017	436	11,909.49	616,555	324	159	1.93
Thedford.....	676	288	9,147.38	582,880	221	220	1.57
Thornbury.....	1,056	493	17,637.37	1,036,020	388	223	1.70
Thorndale.....	334	133	6,858.00	436,901	102	357	1.57
†Thornloe.....	201	42	1,786.25	98,673	28	294	1.81
Thornton.....	245	101	3,641.37	210,876	88	200	1.73
Tottenham.....	725	273	10,096.08	805,265	210	320	1.25
Tweed.....	1,654	597	18,903.21	1,697,053	475	298	1.11
Vankleek Hill.....	1,597	499	17,459.42	797,436	425	156	2.19
Victoria Harbour.....	958	421	12,803.97	638,630	383	139	2.01
Wardsville.....	287	125	3,865.38	278,100	100	232	1.39
Warkworth.....	507	227	7,471.27	489,650	175	233	1.53
Wasaga Beach.....	**546	953	28,877.12	827,400	711	97	3.49
Waterdown.....	1,661	534	29,915.96	2,407,890	453	443	1.24
Waterford.....	1,865	695	22,957.72	1,694,954	593	238	1.35
Watford.....	1,119	504	19,517.74	1,474,790	390	315	1.32
Waubashene.....	\$1,200	386	10,304.39	508,190	347	122	2.03
Webbwood.....	470	124	5,853.86	165,539	101	137	3.54
Wellesley.....	650	258	10,705.16	746,875	202	308	1.43
Wellington.....	1,067	525	13,882.45	1,169,392	426	229	1.19
West Lorne.....	1,050	414	13,299.48	856,818	319	224	1.55
Westport.....	699	283	8,492.46	627,270	222	236	1.35
Wheatley.....	1,138	447	14,376.74	903,680	344	219	1.59
Williamsburg.....	284	141	3,277.77	357,560	103	289	0.92
Winchester.....	1,307	511	18,496.77	1,463,395	407	300	1.26
Windermere.....	133	118	4,596.16	204,190	100	170	2.25
Woodbridge.....	1,850	682	37,493.35	3,005,142	575	436	1.25
Woodville.....	420	180	5,600.75	374,280	143	218	1.50
Wyoming.....	783	299	7,468.28	427,465	242	147	1.75
Zurich.....	634	281	10,880.81	694,800	223	260	1.57

†Local system

§Estimated

\*\*Excluding summer population

## Utilities and Local Systems

## AND CONSUMPTION

December 31, 1955

Less than 2,000 population—Concluded

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers monthly loads billed	Monthly consumption per customer	Av- erage cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
12,258.72	611,020	100	509	2.01	6,073.52	326,320	13	237	2,092	1.86
7,950.58	350,541	77	379	2.27	12,730.95	680,300	13	392	4,361	1.87
13,425.12	641,462	115	465	2.09	14,006.07	799,430	13	414	5,125	1.75
1,899.00	84,160	30	234	2.26	960.03	39,225	3	37	1,090	2.45
10,757.06	532,240	100	444	2.02	4,995.67	234,990	19	204	1,031	2.13
10,289.98	538,694	94	478	1.91	5,300.57	304,000	16	231	1,810	1.74
4,349.56	180,370	45	334	2.41	3,210.94	105,282	3	87	2,925	3.05
6,671.54	220,360	54	340	3.03	1,084.69	43,190	3	29	1,200	2.51
19,415.80	1,037,710	142	609	1.87	5,163.25	263,530	12	139	1,830	1.96
3,720.86	163,100	51	267	2.28	1,286.27	65,040	6	37	903	1.98
10,499.06	486,790	107	379	2.16	15,837.92	1,102,975	9	442	10,213	1.44
5,874.05	271,835	68	333	2.16	7,304.30	371,274	10	187	3,094	1.97
18,739.23	1,204,480	38	2,641	1.56	6,014.26	695,200	2	128	28,967	0.87
6,089.12	274,594	49	467	2.22	4,335.56	164,451	6	111	2,284	2.64
10,558.34	461,530	96	401	2.29	15,283.14	521,710	16	437	2,717	2.93
5,949.27	277,619	62	373	2.14	3,167.22	239,895	5	82	3,998	1.32
8,953.11	352,540	90	326	2.54	8,293.09	568,712	15	335	3,160	1.46
2,150.49	75,775	28	226	2.84	2,420.41	58,910	3	64	1,636	4.11
1,305.95	50,051	14	298	2.61						
755.72	29,398	12	204	2.57	177.08	9,109	1	6	759	1.94
4,496.29	211,376	56	315	2.13	2,486.75	148,360	7	71	1,766	1.68
11,350.44	658,757	107	513	1.72	11,224.01	807,578	15	357	4,487	1.39
8,835.56	284,590	67	354	3.11	2,374.61	67,915	7	86	809	3.50
2,871.03	122,490	37	276	2.34	361.53	38,000	1	6	3,167	0.95
2,928.39	168,534	25	562	1.74						
3,898.72	129,945	51	212	3.00	159.98	8,888	1	3	741	1.80
29,696.43	885,100	241	306	3.36	546.12	10,400	1	20	867	5.25
8,484.04	413,230	68	506	2.05	3,619.44	206,470	13	158	1,324	1.75
9,124.71	583,031	91	534	1.57	6,208.76	434,240	11	247	3,290	1.43
11,858.15	613,180	103	496	1.93	11,873.81	609,088	11	258	4,614	1.95
2,736.70	122,660	36	284	2.23	577.52	14,190	3	19	394	4.07
4,120.45	116,980	21	464	3.52	663.69	45,490	2	26	1,895	1.46
4,280.19	212,900	49	362	2.01	2,424.70	108,510	7	80	1,292	2.24
6,020.86	317,877	79	335	1.89	7,568.75	296,595	20	254	1,236	2.55
12,319.09	577,462	84	573	2.13	28,007.21	1,528,300	11	679	11,578	1.83
6,839.52	351,710	61	481	1.95						
15,074.77	718,975	88	681	2.10	14,564.30	499,120	15	468	2,773	2.92
2,706.65	188,030	36	435	1.44	870.26	21,040	2	35	877	4.14
12,767.76	785,229	95	689	1.63	12,043.18	1,030,590	9	332	9,543	1.17
3,496.99	136,710	18	633	2.56						
16,610.56	810,567	93	726	2.05	48,347.72	5,236,834	14	1,296	31,172	0.92
2,319.47	91,339	35	218	2.54	946.40	41,370	2	40	1,724	2.29
4,746.15	230,377	51	376	2.06	6,829.70	194,650	6	187	2,703	3.51
6,079.78	237,856	56	354	2.56	743.97	26,900	2	21	1,121	2.77



## APPENDIX I—OPERATIONS

The tables in Appendix I are supplementary to the descriptive information on the year's operations given in Section I, and to information relating to the delivery of power and energy in wholesale quantities given in Section III.

The tables of power demands and resources give for each system and in total the primary peak requirements, and the dependable capacity of resources generated and purchased, at the time of December primary peak requirements.

The dependable peak capacity and output of each of the Commission's generating stations and of the sources of purchased power are given in a separate table on pages 206 and 207. The dependable peak capacity of a source of generation is defined as the net output of power, subject to periodic change as equipment and water conditions vary, which the source is expected to be able to supply at the time of the system's primary peak demand. For Commission-owned or -operated generating stations, it is presumed that all units are available and that the supply of water is normal. Contractual stipulations govern the capacities of sources of purchased power.

Beginning on page 208 there is a table dealing primarily with the power and energy supplied in wholesale quantities to the municipal electrical utilities and local systems. In addition, it records the date when power was first delivered by the Commission to each as a separate municipal system, and the frequency at which power was delivered in December 1955. As a measure of the power supply, the peak load in December is used in this table since loads on municipal systems normally reach their maxima in December. For costing purposes, however, the average of the monthly peak loads is used as shown in the Cost of Power Statement.

Statistics of peak loads and capacities are given, as elsewhere in the Report, in kilowatts rather than in horsepower. In order to convert the kilowatt figures to horsepower, it may be assumed that one horsepower is equivalent to 0.746 kilowatts.

## POWER DEMANDS

## Southern Ontario System

	1954	1955	Increase or decrease
<b>Demands</b>	kw	kw	kw
Primary load carried.....	3,115,842	3,534,000	418,158
Primary load cut.....			
Primary peak requirements.....	3,115,842	3,534,000	418,158
<b>Resources</b>			
Commission hydro-electric generation.....	2,413,150	2,596,400	183,250
Commission thermal-electric generation.....	450,000	636,000	186,000
Power purchased.....	681,100	681,100	
Dependable peak capacity.....	3,544,250	3,913,500	369,250

Figures in the above table apply to demands and resources

## ANNUAL ENERGY

## Energy Made Available

	1954		1955		Increase or decrease
	kwh		kwh		per cent
<b>SOUTHERN ONTARIO SYSTEM</b>					
Generated (net)					
hydro-electric.....	13,110,946,926		18,199,385,778		38.8
thermal-electric.....	956,902,200		399,213,800		58.3
Total generated.....	14,067,849,126		18,598,599,578		32.2
Purchased.....	4,264,940,416		3,994,930,315		6.3
Transferred* in or out (net)	19,572,000		549,692,000		
Primary.....		17,067,668,942		18,993,067,693	11.3
Secondary.....		1,245,548,600		3,050,770,200	144.9
Total.....	18,313,217,542	18,313,217,542	22,043,837,893	22,043,837,893	20.4
<b>NORTHERN ONTARIO PROPERTIES</b>					
<b>NORTHEASTERN DIVISION</b>					
Generated (net)					
hydro-electric.....	2,117,082,208		1,734,025,749		18.1
thermal-electric.....	13,210		1,914,800		
Total generated.....	2,117,095,418		1,735,940,549		18.0
Purchased.....	35,798,096		82,249,834		129.8
Transferred* in or out (net)	19,572,000		549,692,000		
Primary.....		2,065,220,554		2,253,164,903	9.1
Secondary.....		107,244,960		114,717,480	7.0
Total.....	2,172,465,514	2,172,465,514	2,367,882,383	2,367,882,383	9.0
<b>NORTHWESTERN DIVISION</b>					
Generated (net)					
hydro-electric.....	1,892,722,420		2,133,708,090		12.7
Purchased.....	8,051,400		9,680,040		20.2
Primary.....		1,655,679,900		2,011,390,590	21.5
Secondary.....		245,093,920		131,997,540	46.1
Total.....	1,900,773,820	1,900,773,820	2,143,388,130	2,143,388,130	12.8
<b>ALL SYSTEMS</b>					
Generated (net)					
hydro-electric.....	17,120,751,554		22,067,119,617		28.9
thermal-electric.....	956,915,410		401,128,600		58.1
Total generated.....	18,077,666,964		22,468,248,217		24.3
Purchased.....	4,308,789,912		4,086,860,189		5.2
Primary.....		20,788,569,396		23,257,623,186	11.9
Secondary.....		1,597,887,480		3,297,485,220	106.4
Total.....	22,386,456,876	22,386,456,876	26,555,108,406	26,555,108,406	18.6

\*Net interchange between Southern Ontario System and Northeastern Division of the Northern Ontario Properties.

## AND RESOURCES

## Northern Ontario Properties

## NORTHEASTERN DIVISION

## NORTHWESTERN DIVISION

1954	1955	Increase or decrease		1954	1955	Increase or decrease
kw	kw	kw		kw	kw	kw
319,146	366,458	47,312		266,596	328,642	62,046
.....	.....	.....		.....	.....	.....
319,146	366,458	47,312		266,596	328,642	62,046
.....	.....	.....		.....	.....	.....
297,700	297,400	300		290,500	315,200	24,700
500	1,000	500		.....	.....	.....
.....	1,200	1,200		2,100	2,200	100
.....	.....	.....		.....	.....	.....
298,200	299,600	1,400		292,600	317,400	24,800
.....	.....	.....		.....	.....	.....

at the time of December primary peak requirements.

## ACCOUNT

## Energy Disposed of in Wholesale Quantities

	1954	1955	Increase or decrease
SOUTHERN ONTARIO SYSTEM	kwh	kwh	per cent
Primary—Municipal electrical utilities.....	9,991,865,920	11,025,263,635	10.3
—Local systems.....	29,698,056	26,878,093	9.5
—Rural power district.....	1,477,175,314	1,644,538,762	11.3
—Direct industrial customers.....	3,857,235,623	4,544,273,015	17.8
Total primary.....	15,355,974,913	17,240,953,505	12.3
Secondary—Direct industrial customers.....	1,141,351,100	2,861,400,180	145.4
Total primary and secondary.....	16,497,326,013	20,102,353,685	21.9
Losses and unaccounted for.....	1,815,891,529	1,941,484,208	6.9
Total.....	18,313,217,542	22,043,837,893	20.4
NORTHERN ONTARIO PROPERTIES			
NORTHEASTERN DIVISION			
Primary—Municipal electrical utilities.....	199,100,369	215,321,463	8.1
—Local systems.....	105,525,171	115,108,359	9.1
—Rural power district.....	99,703,316	115,718,626	16.1
—Direct industrial customers.....	1,370,784,947	1,516,055,049	10.6
Total primary.....	1,775,113,803	1,962,203,497	10.5
Secondary—Direct industrial customers.....	95,918,793	105,860,234	10.4
Total primary and secondary.....	1,871,032,596	2,068,063,731	10.5
Losses and unaccounted for.....	301,432,918	299,818,652	0.5
Total.....	2,172,465,514	2,367,882,383	9.0
NORTHWESTERN DIVISION			
Primary—Municipal electrical utilities.....	337,491,369	356,832,540	5.7
—Local systems.....	19,874,800	23,416,700	17.8
—Rural power district.....	29,054,804	34,686,438	19.4
—Direct industrial customers.....	1,133,257,996	1,409,784,761	24.4
Total primary.....	1,519,678,969	1,824,720,439	20.1
Secondary—Direct industrial customers.....	223,704,948	120,708,977	46.0
Total primary and secondary.....	1,743,383,917	1,945,429,416	11.6
Losses and unaccounted for.....	157,389,903	197,958,714	25.8
Total.....	1,900,773,820	2,143,388,130	12.8
ALL SYSTEMS			
Primary—Municipal electrical utilities.....	10,528,457,658	11,597,417,638	10.2
—Local systems.....	155,098,027	165,403,152	6.6
—Rural power district.....	1,605,933,434	1,794,943,826	11.8
—Direct industrial customers.....	6,361,278,566	7,470,112,825	17.4
Total primary.....	18,650,767,685	21,027,877,441	12.7
Secondary—Direct industrial customers.....	1,460,974,841	3,087,969,391	111.4
Total primary and secondary.....	20,111,742,526	24,115,846,832	19.9
Losses and unaccounted for.....	2,274,714,350	2,439,261,574	7.2
Total.....	22,386,456,876	26,555,108,406	18.6

**DEPENDABLE PEAK CAPACITY AND ACTUAL OUTPUT  
OF POWER RESOURCES  
1955**

		DECEMBER		Total annual energy output (net)
		Depend- able 20-min peak capacity	20-min peak output (net)	
<b>Southern Ontario System</b>		kw	kw	kwh
<i>River</i>	<i>Hydro-Electric Generating Stations</i>			
Niagara	*Sir Adam Beck-Niagara No. 1.....	395,000	430,000	3,454,751,600
	Sir Adam Beck-Niagara No. 2.....	885,000	975,000	6,713,743,200
	*Ontario Power.....	135,000	136,000	1,089,090,000
	*Toronto Power.....	108,000	104,000	738,120,300
Welland Canal	DeCew Falls No. 1.....	32,000	29,000	235,376,500
	DeCew Falls No. 2.....	118,000	125,000	753,307,900
Adjustment to Niagara River stations to compensate for use of water by Ontario Hydro rather than by another producer.....		46,000		
Muskoka	Ragged Rapids.....	7,500	7,600	31,502,150
	Big Eddy.....	7,100	8,250	31,011,400
	Bala No. 1 and 2.....	350	360	1,795,760
South Muskoka	South Falls.....	4,200	4,300	22,354,500
	Trethewey Falls.....	1,600	1,600	8,786,400
	Hanna Chute.....	1,200	1,200	5,826,200
Beaver	Eugenia.....	5,400	5,180	23,269,400
Severn	Big Chute.....	4,300	4,380	29,078,000
	Wasdell Falls.....			2,159,230
Saugeen	Walkerton.....	350	340	1,997,800
	Hanover.....	250	280	1,371,168
Magnetawan	Burks Falls.....	250	115	353,400
Trent	Heely Falls.....	11,150	12,075	73,363,680
	Ranney Falls.....	8,350	8,610	54,323,360
	Meyersburg.....	5,100	5,850	37,195,560
	Sidney.....	3,350	3,500	21,698,700
	Hagues Reach.....	3,250	3,750	22,889,430
	Seymour.....	2,950	3,100	19,288,320
	Frankford.....	2,550	2,775	15,480,000
	Sills Island.....	1,550	825	5,422,420
Otonabee	Auburn.....	1,750	1,695	8,758,340
	Lakefield.....	1,650	1,680	7,683,350
	Fenelon Falls.....	700	700	4,708,690
Ottawa	Des Joachims.....	372,000	378,000	2,091,971,300
	Otto Holden.....	210,000	225,000	1,098,669,500
	Chenau.....	117,000	122,000	668,125,200
	Chats Falls (Ontario half) (25 & 60 cycle)	82,000	84,000	444,958,600
Madawaska	Stewartville.....	63,000	64,500	230,379,800
	Barrett Chute.....	42,000	41,250	201,678,200
	Calabogie.....	4,400	4,620	22,731,300
Mississippi	High Falls.....	2,450	2,625	16,697,280
	Galetta.....	800	875	5,307,300
Rideau	Merrickville.....	900	825	4,160,540
<i>Location</i>	<i>Thermal-Electric Generating Stations</i>			
Windsor	J. Clark Keith (steam).....	244,000	252,000	92,328,300
Hamilton	*Steel Company of Canada (steam).....		3,000	15,310,800
Toronto	Richard L. Hearn (steam).....	372,000	379,000	291,574,700
	Scarborough (steam).....	20,000		0
Total.....		3,232,400	**	18,598,599,578

\*25-cycle stations; others are 60-cycle, except as indicated.

\*\*Because the maximum 20-minute peak outputs of the various generating stations and purchased-power sources in a system do not occur coincidentally, the sum of the power outputs should not be construed as representative of the peak load of the system.

**DEPENDABLE PEAK CAPACITY AND ACTUAL OUTPUT  
OF POWER RESOURCES  
1955**

		DECEMBER		Total annual energy output (net)
		Depend- able 20-min peak capacity	20-min peak output (net)	
Northern Ontario Properties				
NORTHEASTERN DIVISION				
River	Hydro-Electric Generating Stations	kw	kw	kwh
Abitibi	*Abitibi Canyon.....	181,000	180,000	1,130,841,000
Mississagi	George W. Rayner.....	47,000	46,300	232,991,460
Mattagami	*Wawaitin.....	10,800	8,400	47,559,472
	*Lower Sturgeon.....	6,000	5,900	42,375,641
	*Sandy Falls.....	2,700	2,600	18,025,596
Montreal	Upper Notch.....	8,400	8,500	50,148,000
	Hound Chute.....	3,600	4,050	26,684,000
	Indian Chute.....	3,000	3,050	17,262,120
	Fountain Falls.....	2,000	2,060	15,958,570
Wanapitei	Stinson.....	5,700	5,790	23,219,100
	Coniston.....	4,100	2,040	9,836,800
	McVittie.....	2,200	2,220	12,515,720
Matabitchuan	Matabitchuan.....	8,800	8,800	42,133,660
Sturgeon	Crystal Falls.....	8,200	8,000	42,767,400
South	Nipissing.....	1,600	1,680	8,525,700
	Elliott Chute.....	1,400	1,370	4,402,200
	Bingham Chute.....	900	960	4,392,600
Kagawong	Kagawong.....		640	4,386,710
Location	Thermal-Electric Generating Stations			
Kagawong	Kagawong (diesel portion).....	300	180	6,550
Chapleau	Chapleau.....	300	424	229,600
Hornepayne	Hornepayne.....	400	416	1,678,650
Total.....		298,400	**	1,735,940,549
NORTHWESTERN DIVISION				
River	Hydro-Electric Generating Stations			
Nipigon	Pine Portage.....	116,300	131,000	776,508,500
	Cameron Falls.....	57,600	57,500	407,351,200
	Alexander.....	49,600	53,000	393,567,200
Aguasabon	Aguasabon.....	44,000	46,800	262,400,950
Kaministikwia	Kakabeka Falls.....	25,000	23,400	133,703,200
English	Ear Falls.....	20,600	19,100	144,868,200
Albany	Rat Rapids.....	2,100	2,100	15,308,840
Total.....		315,200	**	2,133,708,090
Total generated—All systems.....		3,846,000	**	22,468,248,217
Sources of Purchased Power				
SOUTHERN ONTARIO SYSTEM				
	Detroit Edison Company.....		80,000	112,106,000
	Polymer Corporation.....	22,000	1,200	1,047,800
	*Canadian Niagara Power Company.....	15,000	17,000	88,638,000
	Gatineau Power Company (25 & 60 cycle).....	254,000	263,200	1,407,905,460
	*Quebec Hydro-Electric Commission (Beauharnois).....	187,000	162,000	1,136,050,000
	Maclaren-Quebec Power Company (25 & 60 cycle).....	119,000	135,100	769,126,000
	Ottawa Valley Power Company (25 & 60 cycle).....	82,000	84,000	448,608,900
	Niagara Mohawk Power Corporation.....		43,500	21,343,200
	Miscellaneous (relatively small suppliers) (25 & 60 cycle).....	2,100	1,500	10,104,955
Total.....		681,100	**	3,994,930,315
NORTHERN ONTARIO PROPERTIES				
NORTHEASTERN DIVISION				
	Abitibi Power & Paper Company (25 & 60 cycle).....		14,930	5,055,600
	Quebec Hydro-Electric Commission (25 & 60 cycle)....		25,000	69,256,770
	Miscellaneous (relatively small suppliers).....	1,200	2,538	7,937,464
Total.....		1,200	**	82,249,834
NORTHWESTERN DIVISION				
	Ontario-Minnesota Pulp and Paper Company.....	2,200	2,422	9,680,040
Total purchased—All systems.....		684,500	**	4,086,860,189
Total generated and purchased—All systems..		4,530,500	**	26,555,108,406

## POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1955	Peak load December 1955	Energy supplied during 1955	Increase or decrease in energy consumption 1955 over 1954
SOUTHERN ONTARIO SYSTEM		cycles	kw	'000 kwh	per cent
Acton.....	Jan. '13	60	3,080.5	13,037	11.5
Ailsa Craig.....	Jan. '16	60	239.1	894	5.0
†Ajax.....	Jan. '52	60	4,007.8	18,684	22.7
Alexandria.....	Jan. '21	60	1,137.4	4,530	12.5
Alfred.....	June '52	60	244.8	763	22.0
Alliston.....	June '18	60	1,267.3	5,914	13.3
Almonte.....	Feb. '45	60	1,085.8	3,101	66.8
Alvinston.....	Apr. '22	60	213.1	723	2.3
Amherstburg.....	Feb. '19	60	2,432.2	11,239	10.9
Ancaster Twp.....	Jan. '14	60	1,655.8	6,382	11.8
Apple Hill.....	Apr. '21	60	80.3	287	16.9
Arkona.....	Dec. '26	60	222.8	761	0.6
Arnprior.....	June '29	60	3,316.0	13,595	15.6
Arthur.....	Dec. '16	60	513.2	2,050	6.9
Athens.....	Jan. '29	60	316.1	1,152	12.1
Aurora.....	Dec. '20	60	2,489.3	13,394	3.8
Aylmer.....	Mar. '18	25	2,867.1	12,858	13.4
Ayr.....	Jan. '15	25	528.0	1,865	5.5
Baden.....	May '12	60	411.7	1,356	3.6
†Bala.....	Apr. '29	60	239.2	1,390	4.2
Bancroft.....	Mar. '50	60	321.1	974	3.5
Barrie.....	Apr. '13	60	11,566.0	51,169	13.7
Barry's Bay.....	Jan. '50	60	218.7	854	14.7
Bath.....	Nov. '31	60	203.0	731	21.7
Beachville.....	Aug. '12	25 & 60	1,275.4	7,080	16.6
Beamsville.....	Jan. '30	25	1,294.2	5,493	7.0
Beaverton.....	Nov. '14	60	699.1	2,858	22.9
Beeton.....	Aug. '18	60	342.0	1,211	7.4
Belle River.....	Dec. '22	60	544.2	2,170	4.0
Belleville.....	Mar. '16	60	14,828.4	69,740	6.3
Blenheim.....	Nov. '15	25	1,324.2	4,769	5.2
Bloomfield.....	Apr. '19	60	334.0	1,272	15.7
Blyth.....	July '24	60	483.0	1,872	15.8
Bobcaygeon.....	July '46	60	472.9	1,972	22.0
Bolton.....	Feb. '15	60	619.5	2,284	8.3
Bothwell.....	Sep. '15	25	379.1	1,170	7.8
Bowmanville.....	Mar. '16	60	4,992.4	21,870	8.4
Bradford.....	Oct. '18	60	1,146.6	5,109	10.9
Braeside.....	June '29	60	313.9	868	25.7
Brampton.....	Nov. '11	60	7,920.7	31,767	7.5
Brantford.....	Feb. '14	25 & 60	37,023.0	169,500	27.8*
Brantford Twp.....	Oct. '15	25	144.5	583	97.7*
Brechin.....	Jan. '15	60	109.9	356	21.5
Bridgeport.....	Mar. '28	60	660.0	2,355	5.5
Brigden.....	Jan. '18	60	187.1	640	8.7

†Local system.

\*A large part of Brantford Twp. was transferred to Brantford City, January 1, 1955.

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Frequency December 1955	Peak load December 1955	Energy supplied during 1955	Increase or decrease in energy consumption 1955 over 1954
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Brighton.....	Mar. '16	60	1,072.2	4,659	14.1
Brockville.....	Apr. '15	60	11,238.6	51,452	14.0
Bronte.....	Jan. '30	60	705.6	3,169	8.7
Brussels.....	July '24	60	446.0	1,989	6.7
Burford.....	June '15	25	567.6	2,161	6.3
Burgessville.....	Nov. '16	25	155.0	480	9.0
Burk's Falls.....	Jan. '50	60	373.3	1,192	14.6
Burlington.....	Jan. '30	60	5,717.9	23,442	16.9
†Burlington Beach.....	Jan. '30	25 & 60	1,124.9	4,593	5.9
Caledonia.....	Oct. '12	25	938.5	3,600	10.1
Campbellville.....	Jan. '25	60	140.0	438	7.2
Cannington.....	Nov. '14	60	521.5	1,847	4.2
Cardinal.....	July '30	60	838.5	2,923	10.9
Carleton Place.....	May '19	60	2,652.0	12,205	5.7
Casselman.....	Dec. '52	60	352.8	1,354	22.6
Cayuga.....	Nov. '24	25	308.6	1,258	8.4
Chatham.....	Feb. '15	25 & 60	15,033.3	62,784	8.0
Chatsworth.....	Dec. '15	60	233.6	815	5.3
Chesley.....	July '16	60	958.8	3,926	4.9
Chesterville.....	Apr. '14	60	831.9	3,897	11.4
Chippawa.....	Sep. '19	60	828.1	3,398	4.5
Clifford.....	May '24	60	295.0	1,115	3.6
Clinton.....	Mar. '14	60	1,766.4	7,950	3.5
Cobden.....	Dec. '34	60	491.0	1,633	1.0
Cobourg.....	Mar. '16	60	6,531.7	29,553	13.7
Colborne.....	Mar. '16	60	664.2	2,734	6.3
Coldwater.....	Mar. '13	60	323.2	1,286	5.5
Collingwood.....	Mar. '13	60	4,169.8	18,248	0.3
Comber.....	May '15	25	253.7	876	6.9
Cookstown.....	May '18	60	261.6	927	12.4
Cottam.....	Feb. '19	60	187.7	690	0.8
Courtright.....	Dec. '23	60	137.4	520	7.6
Creemore.....	Nov. '14	60	403.9	1,442	7.0
Dashwood.....	Sep. '17	60	204.1	687	4.8
Delaware.....	Mar. '15	60	199.6	659	9.3
Delhi.....	May '38	25	1,944.0	6,531	15.1
Deseronto.....	Mar. '16	60	668.2	3,370	15.2
Dorchester.....	Dec. '14	60	312.5	1,052	3.6
Drayton.....	Mar. '18	60	288.2	965	3.9
Dresden.....	Apr. '15	60	920.5	4,281	12.0
Drumbo.....	Dec. '14	25	191.3	665	2.3
Dublin.....	Oct. '17	60	186.4	677	20.1
Dundalk.....	Dec. '15	60	460.2	1,621	7.6
Dundas.....	Jan. '11	60	5,607.0	22,524	15.3
Dunnville.....	June '18	25 & 60	2,995.3	12,293	10.7

†Local system.

## POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1955	Peak load December 1955	Energy supplied during 1955	Increase or decrease in energy consumption 1955 over 1954
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Durham.....	Dec. '15	60	990.2	4,263	15.5
Dutton.....	Sep. '15	25	317.8	1,302	6.3
East York Twp.....	Dec. '23	60	35,010.2	153,533	8.8
Eganville.....	Apr. '52	60	259.8	864	39.4
Elmira.....	Nov. '13	60	2,565.6	11,599	1.5
Elmvale.....	June '13	60	464.0	1,885	5.5
Elmwood.....	Apr. '18	60	173.2	447	2.9
Elora.....	Nov. '14	60	638.2	2,732	3.1
Embro.....	Jan. '15	25	322.2	1,159	6.7
Erieau.....	July '24	25	247.0	1,267	5.7
Erie Beach.....	July '25	25	36.4	105	7.1
Erin.....	Jan. '45	60	407.0	1,364	15.1
Essex.....	Feb. '19	60	1,273.3	5,629	6.7
Etobicoke Twp.....	Aug. '17	60	67,684.0	302,919	20.1
Exeter.....	June '16	60	1,652.6	6,733	5.0
Fergus.....	Nov. '14	60	2,707.8	10,073	6.2
Finch.....	Feb. '28	60	172.1	731	2.9
Flesherton.....	Dec. '15	60	290.2	955	9.7
Fonthill.....	June '26	25	909.0	3,859	10.4
Forest.....	Mar. '17	60	1,070.1	4,981	10.1
Forest Hill.....	Jan. '38	60	12,393.0	56,073	3.7
Frankford.....	Oct. '37	60	525.6	1,671	8.9
Galt.....	May '11	60	18,787.1	79,814	9.5
Georgetown.....	Sep. '13	60	4,607.6	20,083	15.9
Glencoe.....	Aug. '20	60	439.5	1,529	10.0
Goderich.....	Feb. '14	60	3,225.2	16,206	10.6
Grand Bend.....	July '54	60	420.2	2,143	.....
Grand Valley.....	Dec. '16	60	426.3	1,343	7.1
Granton.....	July '16	60	112.8	335	2.5
Gravenhurst.....	Nov. '15	60	2,185.7	10,508	3.1
Grimsby.....	Jan. '30	25	1,982.7	9,243	9.1
Guelph.....	Dec. '10	60	23,045.0	111,665	8.0
Hagersville.....	Sep. '13	25	1,566.9	6,264	16.1
Hamilton.....	Feb. '11	25 & 60	250,654.1	1,329,038	14.6
Hanover.....	Sep. '16	60	2,986.2	11,134	4.9
Harriston.....	July '16	60	956.5	4,438	4.3
Harrow.....	Feb. '19	60	1,039.2	4,078	8.3
Hastings.....	June '31	60	303.9	1,234	9.5
Havelock.....	Feb. '21	60	389.1	1,426	6.9
Hawkesbury.....	June '52	60	2,265.0	8,877	7.2
Hensall.....	Jan. '17	60	578.8	2,158	4.5
†Hepworth.....	Apr. '30	60	105.0	347	8.2
Hespeler.....	Feb. '11	60	5,524.7	23,894	18.5
Highgate.....	Dec. '16	25	174.1	481	2.2
Holstein.....	May '16	60	85.2	318	0.1

†Local system.

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Frequency December 1955	Peak load December 1955	Energy supplied during 1955	Increase or decrease in energy consumption 1955 over 1954
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Huntsville.....	Sep. '16	60	2,233.4	11,293	7.4
Ingersoll.....	May '11	25 & 60	4,381.0	19,938	11.1
Iroquois.....	Feb. '40	60	646.5	2,578	10.2
Jarvis.....	Feb. '24	25	319.5	1,234	10.2
Kemptville.....	Dec. '21	60	1,114.1	4,697	6.9
Kincardine.....	Mar. '21	60	1,574.3	7,431	10.4
Kingston.....	Dec. '17	60	32,973.3	155,071	9.4
Kingsville.....	Feb. '19	60	1,793.3	6,662	7.9
Kirkfield.....	June '20	60	62.2	225	5.3
Kitchener.....	Jan. '11	60	48,432.0	246,455	13.1
Lakefield.....	Aug. '20	60	1,538.4	8,135	22.6
Lambeth.....	Apr. '15	60	868.4	2,698	8.3
Lanark.....	Sep. '21	60	261.5	944	8.5
Lancaster.....	May '21	60	216.7	699	17.2
La Salle.....	Nov. '25	60	962.9	3,854	15.2
Leamington.....	Feb. '19	60	4,262.3	19,978	7.8
Lindsay.....	Mar. '16	60	6,166.0	30,230	6.7
Listowel.....	June '16	60	2,279.5	9,828	9.0
London.....	Jan. '11	60	56,898.8	299,505	4.3
London Twp.....	Sep. '17	60	1,589.3	5,705	7.5
Long Branch.....	Jan. '31	60	5,962.1	25,079	8.6
L'Orignal.....	June '52	60	232.5	814	20.8
Lucan.....	Feb. '15	60	569.6	1,967	0.1
Lucknow.....	Jan. '21	60	470.6	1,975	6.7
Lynden.....	Nov. '15	60	278.4	814	4.1
Madoc.....	Mar. '16	60	801.0	2,755	5.4
Magnetawan.....	July '51	60	68.0	222	12.4
Markdale.....	Mar. '16	60	528.0	1,982	10.9
Markham.....	Apr. '20	60	1,663.0	5,342	23.8
Marmora.....	Jan. '21	60	588.2	2,171	13.0
Martintown.....	May '21	60	113.1	388	15.7
Maxville.....	Feb. '21	60	320.1	1,163	12.5
Meaford.....	Jan. '24	60	2,081.1	8,708	11.6
Merlin.....	Dec. '22	25	257.4	863	11.8
Merrickville.....	July '50	60	388.9	1,577	0.9
Merritton.....	Nov. '20	25 & 60	15,857.5	78,973	9.7
Midland.....	July '11	60	5,056.5	23,415	3.4
Mildmay.....	Apr. '30	60	440.5	1,435	5.5
Millbrook.....	Mar. '16	60	405.5	1,392	12.1
Milton.....	Apr. '13	60	3,412.1	13,771	21.0
Milverton.....	June '16	60	741.7	2,566	3.8
Mimico.....	May '12	60	6,879.0	29,942	8.4
Mitchell.....	Sep. '11	60	1,370.4	6,253	3.8
Moorefield.....	Mar. '18	60	156.5	641	11.5
Morrisburg.....	June '38	60	1,101.0	4,714	15.6

## POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1955	Peak load December 1955	Energy supplied during 1955	Increase or decrease in energy consumption 1955 over 1954
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Mount Brydges.....	Mar. '15	60	263.7	962	8.9
Mount Forest.....	Dec. '15	60	1,410.5	5,470	11.8
Napanee.....	Mar. '16	60	2,648.1	12,058	7.2
Neustadt.....	Dec. '18	60	271.2	996	37.1
Newboro.....	Dec. '48	60	72.3	236	5.4
Newburgh.....	Mar. '16	60	168.3	694	6.7
Newbury.....	Mar. '21	25	90.8	343	1.3
Newcastle.....	Mar. '16	60	637.0	2,700	10.8
New Hamburg.....	Mar. '11	60	1,132.3	4,321	5.6
Newmarket.....	Dec. '20	60	4,322.4	17,260	8.4
New Toronto.....	Feb. '14	60	17,600.0	89,086	12.0
Niagara.....	Aug. '19	60	1,645.5	7,847	5.6
Niagara Falls.....	Dec. '15	25 & 60	16,949.0	80,011	2.4
North York Twp.....	Nov. '23	60	105,191.8	423,782	20.0
Norwich.....	May '12	25	895.7	3,456	3.9
Norwood.....	Feb. '21	60	422.1	1,780	2.6
Oakville.....	Jan. '30	60	7,784.4	32,447	18.1
Oil Springs.....	Feb. '18	60	217.6	1,120	4.9
Omeme.....	Jan. '18	60	346.8	1,408	11.6
Orangeville.....	July '16	60	2,276.0	8,868	11.9
Orillia.....	Jan. '54	60	3,584.1	10,702	27.7
Orono.....	Mar. '16	60	392.8	1,314	13.8
Oshawa.....	Mar. '16	60	33,916.8	204,113	4.9
Ottawa.....	Jan. '14	60	117,001.0	461,666	12.2
Otterville.....	Feb. '16	25	304.5	1,205	7.3
Owen Sound.....	Dec. '15	60	10,243.0	45,249	5.9
Paisley.....	Sep. '23	60	392.9	1,433	7.4
Palmerston.....	July '16	60	1,022.2	4,478	2.6
Paris.....	Feb. '14	25	2,986.1	12,694	9.9
Parkhill.....	May '20	60	616.0	2,432	5.8
Parry Sound.....	Aug. '46	60	1,171.0	5,654	37.2
Penetanguishene.....	July '11	60	2,090.6	9,430	10.1
Perth.....	Feb. '19	60	3,188.5	12,541	8.5
Peterborough.....	Mar. '13	60	32,102.4	152,355	9.5
Petrolia.....	May '16	60	1,472.5	6,814	11.0
Picton.....	Apr. '19	60	3,041.7	13,458	9.8
Plattsville.....	Dec. '14	25	407.4	1,613	7.3
Point Edward.....	Nov. '16	60	3,493.8	11,419	17.5
Port Burwell.....	Aug. '55	25	159.9	302	...
†Port Carling.....	Apr. '29	60	251.2	1,627	7.2
Port Colborne.....	Mar. '20	25 & 60	5,366.2	24,331	18.4
Port Credit.....	Aug. '12	60	4,736.7	22,305	24.7
Port Dalhousie.....	Nov. '12	25 & 60	1,966.5	8,085	10.1
Port Dover.....	Dec. '21	25	1,521.0	6,464	15.4
Port Elgin.....	Apr. '30	60	939.6	4,087	6.6

†Local system.

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Frequency December 1955	Peak load December 1955	Energy supplied during 1955	Increase or decrease in energy consumption 1955 over 1954
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Port Hope.....	Mar. '16	60	6,237.3	27,986	12.3
Port McNicoll.....	Jan. '15	60	1,142.5	2,362	7.9
Port Perry.....	Sep. '22	60	994.5	3,918	25.9
Port Rowan.....	Nov. '26	25	238.1	882	8.7
Port Stanley.....	Apr. '12	25	844.4	4,683	7.5
Prescott.....	Dec. '13	60	2,730.0	11,721	11.7
Preston.....	Jan. '11	60	7,231.0	29,076	10.2
Priceville.....	Mar. '21	60	44.5	139	25.7
Princeton.....	Jan. '15	25	222.7	793	6.7
Queenston.....	Mar. '21	60	273.1	1,367	0.9
Renfrew.....	Dec. '44	60	2,755.7	10,074	6.0
Richmond.....	Aug. '28	60	316.6	1,173	8.3
Richmond Hill.....	June '25	60	3,758.4	11,546	32.0
Ridgetown.....	Dec. '15	25	1,034.2	4,040	16.7
Ripley.....	Jan. '21	60	216.2	861	6.6
Riverside.....	Nov. '22	60	4,936.4	18,851	15.5
Rockland.....	Apr. '54	60	687.0	2,435	...
Rockwood.....	Sep. '13	60	346.4	1,371	4.7
Rodney.....	Feb. '17	25	401.4	1,418	5.9
Rosseau.....	July '31	60	56.2	273	15.9
Russell.....	Feb. '26	60	199.0	752	8.5
St. Catharines.....	Apr. '14	25 & 60	28,860.8	169,900	2.0
St. Clair Beach.....	Nov. '22	60	379.4	1,191	3.6
St. George.....	Sep. '15	25	327.2	1,151	6.0
St. Jacobs.....	Sep. '17	60	341.0	1,479	10.4
St. Mary's.....	May '11	60	2,578.0	12,096	5.6
St. Thomas.....	Apr. '11	25 & 60	11,971.0	59,579	9.8
Sarnia.....	Dec. '16	60	33,462.0	191,938	11.1
Scarborough Twp.....	Aug. '18	60	80,594.5	327,167	19.3
Seaforth.....	Nov. '11	60	1,526.0	6,205	6.3
Shelburne.....	July '16	60	753.1	2,710	10.8
Simcoe.....	Apr. '15	25	5,208.9	22,874	9.9
Smith's Falls.....	Sep. '18	60	5,902.8	25,665	5.9
Smithville.....	Jan. '30	25	443.4	1,859	4.8
Southampton.....	Apr. '30	60	782.9	3,951	4.3
Springfield.....	Aug. '17	25	202.0	619	9.6
Stamford Twp.....	Nov. '16	60	12,358.9	55,628	13.3
Stayner.....	Oct. '13	60	899.4	3,082	5.9
Stirling.....	Mar. '16	60	743.5	2,884	10.7
Stoney Creek.....	Jan. '30	25 & 60	2,407.8	9,428	25.2
Stouffville.....	Sep. '23	60	1,503.0	4,803	14.5
Stratford.....	Jan. '11	60	12,437.7	60,784	8.3
Strathroy.....	Dec. '14	60	2,649.2	12,196	10.4
Streetsville.....	Dec. '34	60	1,681.8	6,532	7.8
Sunderland.....	Nov. '14	60	277.0	1,028	2.7

## POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1955	Peak load December 1955	Energy supplied during 1955	Increase or decrease in energy consumption 1955 over 1954
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Sundridge.....	June '52	60	184.4	742	21.3
Sutton.....	Aug. '23	60	738.0	3,488	7.4
Swansea.....	Oct. '37	60	5,259.8	24,475	7.9
Tara.....	Feb. '18	60	259.4	896	3.7
Tavistock.....	Nov. '16	60	828.3	3,665	2.9
Tecumseh.....	Nov. '22	60	1,158.5	5,313	9.4
Teeswater.....	Dec. '20	60	418.5	1,746	11.2
Thamesford.....	Feb. '14	60	439.8	1,565	9.1
Thamesville.....	Oct. '15	25	662.5	1,857	2.8
Thedford.....	May '22	60	291.5	1,246	9.2
Thornbury.....	Sep. '44	60	415.3	1,502	14.1
Thorndale.....	Mar. '14	60	206.1	668	1.7
Thornton.....	Nov. '18	60	96.0	304	7.2
Thornold.....	Jan. '21	25 & 60	7,683.3	49,161	10.6
Tilbury.....	Apr. '15	25	1,553.0	6,075	1.8
Tillsonburg.....	Aug. '11	25	3,760.8	15,154	12.2
Toronto.....	June '11	25 & 60	514,702.0	2,796,954	4.8
Toronto Twp.....	Aug. '13	60	29,901.6	154,686	28.4
Tottenham.....	Oct. '18	60	306.0	1,290	13.2
Trafalgar Twp.....	Dec. '23	60	4,786.5	18,444	28.3
Trenton.....	Mar. '16	60	11,011.0	52,091	12.5
Tweed.....	Mar. '16	60	883.7	3,526	11.1
Uxbridge.....	Sep. '22	60	1,048.8	4,298	9.8
Vankleek Hill.....	June '52	60	356.5	1,345	12.5
Victoria Harbour.....	July '14	60	252.2	951	1.3
Walkerton.....	Apr. '30	60	2,156.5	8,118	4.3
Wallaceburg.....	Feb. '15	60	8,028.9	39,340	9.3
Wardsville.....	June '21	25	145.9	485	3.3
Warkworth.....	Oct. '23	60	226.2	722	10.7
Wasaga Beach.....	Jan. '53	60	227.0	1,890	1.0
Waterdown.....	Nov. '11	60	848.8	3,432	13.2
Waterford.....	Apr. '15	25	790.9	3,079	4.8
Waterloo.....	Dec. '10	60	12,025.2	52,681	15.3
Watford.....	Sep. '17	60	831.2	3,058	6.9
Waubashene.....	Dec. '14	60	190.8	826	4.9
Welland.....	Sep. '17	25 & 60	11,480.6	59,758	10.0
Wellesley.....	Nov. '16	60	325.5	1,136	7.8
Wellington.....	Apr. '19	60	472.1	2,013	8.6
West Lorne.....	Jan. '17	25	808.6	3,357	19.0
Weston.....	Aug. '11	60	7,553.6	38,985	9.2
Westport.....	Nov. '31	60	301.5	1,096	8.7
Wheatley.....	Feb. '24	60	650.9	2,465	5.9
Whitby.....	Mar. '16	60	7,129.3	25,588	51.1
Wiarton.....	Apr. '30	60	981.8	4,472	8.5
Williamsburg.....	Apr. '15	60	187.0	685	6.3

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Frequency December 1955	Peak load December 1955	Energy supplied during 1955	Increase or decrease in energy consumption 1955 over 1954
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Winchester.....	Jan. '14	60	789.3	3,687	13.8
Windermere.....	June '30	60	52.4	407	0.5
Windsor.....	Oct. '14	60	77,744.5	366,373	16.6
Wingham.....	Dec. '20	60	1,517.5	7,274	8.1
Woodbridge.....	Dec. '14	60	1,958.0	9,659	11.7
Woodstock.....	Jan. '11	25 & 60	15,034.7	70,032	17.0
Woodville.....	Nov. '14	60	187.8	619	5.2
Wyoming.....	Nov. '16	60	330.9	955	1.4
York Twp.....	Jan. '13	60	53,062.5	253,037	10.8
Zurich.....	Sep. '17	60	319.2	1,083	5.5
NORTHERN ONTARIO PROPERTIES					
†Atikokan Twp.....	Dec. '44	60	2,528.4	11,357	20.1
†Beardmore.....	June '37	60	350.2	1,417	5.8
†Blind River.....	Nov. '54	60	1,154.2	4,223	....
Cache Bay.....	Dec. '50	60	123.9	1,265	15.8
Capreol.....	May '35	60	1,264.5	5,372	9.1
Chapleau Twp.....	Aug. '55	60	417.6	216	....
†Cobalt.....	Jan. '45	60	1,010.2	3,798	5.1
Cochrane.....	Dec. '52	60	1,895.2	9,743	6.5
Dryden.....	Feb. '54	60	1,938.0	9,314	....
†Elk Lake Townsite....	Jan. '45	25	273.3	824	34.3
†Englehart.....	Jan. '45	60	786.5	3,022	1.5
Fort William.....	Oct. '26	60	31,648.1	169,348	5.1
†Geraldton.....	Feb. '37	60	1,128.0	4,601	9.8
†Haileybury.....	Jan. '45	60	1,243.8	5,180	4.0
Hearst.....	Apr. '52	60	673.0	2,905	10.8
†Hornepayne.....	Feb. '55	60	399.9	1,600	....
†Hudson Townsite....	Oct. '39	60	145.8	657	45.6
†Ignace.....	Dec. '54	60	120.0	408	....
†Jellicoe Townsite....	Dec. '51	60	46.0	147	44.1
Kapuskasing.....	Aug. '53	60	2,812.0	10,721	13.7
†Kearns Townsite....	Dec. '38	25	193.2	820	21.2
†King Kirkland Townsite	Dec. '36	25	79.7	302	8.7
†Kirkland Lake.....	Jan. '45	25 & 60	6,905.0	25,641	2.0
Larder Lake Twp.....	Mar. '49	60	645.5	2,888	10.9
Latchford.....	Apr. '50	60	131.3	375	3.9
Massey.....	Dec. '52	60	227.2	843	32.3
†Matachewan Twp.....	Apr. '35	25	283.5	1,157	0.1
†Matheson.....	Dec. '35	25	484.8	1,870	11.7
†Mattawa.....	Jan. '53	60	1,839.7	4,891	15.2
McGarry.....	Mar. '49	60	813.0	3,019	6.7

†Local system.

**POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES  
TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS**

Municipality	Date of first delivery		Frequency December 1955	Peak load December 1955	Energy supplied during 1955	Increase or decrease in energy consumption 1955 over 1954
NORTHERN ONTARIO PROPERTIES—Continued			cycles	kw	000' kwh	per cent
†New Liskeard.....	Jan.	'45	60	2,916.5	10,785	9.6
Nipigon Twp.....	Jan.	'25	60	1,013.0	4,236	1.8
North Bay.....	Mar.	'16	60	11,949.3	52,803	4.2
†Pickle Lake Landing Townsite.....	Aug.	'52	60	30.0	135	42.0
Port Arthur.....	Dec.	'10	60	35,368.2	154,265	5.0
†Powassan.....	Mar.	'16	60	390.0	1,179	1.1
†Red Lake Townsite....	June	'38	60	1,161.7	4,695	15.5
Red Rock.....	Feb.	'48	60	629.8	2,840	16.0
Schreiber Twp.....	Nov.	'48	60	864.5	3,996	18.4
Sioux Lookout.....	Sep.	'39	60	1,359.5	6,632	8.1
†South Porcupine Townsite.....	Jan.	'45	25	1,744.0	7,243	7.4
Sturgeon Falls.....	Apr.	'51	60	1,689.0	6,416	7.2
Sudbury.....	Feb.	'30	60	23,934.5	112,069	6.6
Terrace Bay.....	Jan.	'48	60	1,195.3	6,202	11.6
†Thornloe.....	Jan.	'45	60	27.8	130	0.0
†Timmins.....	Jan.	'45	25	10,802.5	42,444	7.0
Webbwood.....	Dec.	'52	60	97.4	355	7.3
West Ferris Twp.....	Apr.	'54	60	1,617.5	6,333	....

†Local system.

## APPENDIX II—FINANCIAL

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## SOUTHERN ONTARIO

## FIXED

## Statement Showing Changes During

Property	Balance in service at January 1, 1955	Changes during	
		Placed in service	Equipment relocated and reclassified
	\$	\$	\$
<b>Power System</b>			
<b>HYDRO-ELECTRIC GENERATING STATIONS</b>			
Niagara River			
Sir Adam Beck-Niagara No. 1. . . . .	76,718,556	2,769	11,925
Sir Adam Beck-Niagara No. 2. . . . .	157,043,624	91,866,430	.....
Ontario Power. . . . .	21,802,556	.....	.....
Toronto Power. . . . .	11,455,734	.....	2,769
Welland Canal			
DeCew Falls. . . . .	26,967,014	883,468	21,758
St. Lawrence River			
St. Lawrence Power Project (See note). . . . .	.....	.....	.....
Ottawa River			
Des Joachims. . . . .	72,927,385	175,521	95,037
Otto Holden. . . . .	57,582,253	.....	.....
Chenaux. . . . .	29,180,406	50,802	4,357
Chats Falls. . . . .	8,633,468	288,044	11,135
Ogoki Diversion. . . . .	5,044,689	.....	.....
Madawaska River			
Stewartville. . . . .	11,863,600	15,412	326,400
Barrett Chute. . . . .	4,710,627	32,199	156,000
Other properties. . . . .	21,638,032	20,613	482,601
	505,567,944	93,335,258	132,528
<b>THERMAL-ELECTRIC GENERATING STATIONS</b>			
J. Clark Keith—Windsor. . . . .	46,446,603	16,744	244,000
Richard L. Hearn—Toronto. . . . .	47,270,545	415,496	.....
Other properties. . . . .	251,890	20,583	.....
	93,969,038	452,823	244,000
Total generating stations. . . . .	599,536,982	93,788,081	111,472
<b>TRANSFORMER STATIONS</b>			
230-kv. . . . .	64,144,830	3,622,076	713,338
Other—Niagara Division. . . . .	92,337,115	5,152,971	727,384
Georgian Bay Division. . . . .	7,592,594	80,125	34,880
Eastern Ontario Division. . . . .	19,258,095	930,196	175,708
Total transformer stations. . . . .	183,332,634	9,785,368	154,874
<b>TRANSMISSION LINES</b>			
230-kv. . . . .	69,034,754	8,142,536	17,072
Other—Niagara Division. . . . .	49,520,207	3,573,646	24,202
—Georgian Bay Division. . . . .	7,392,934	408,885	2,395
—Eastern Ontario Division. . . . .	21,927,761	394,409	451
Total transmission lines. . . . .	147,875,656	12,519,476	38,428

NOTE: The cost of the St. Lawrence Power Project under construction at December 31, 1955, \$43,594,925, includes generation, transformation, and transmission facilities.

## SYSTEM

## ASSETS

## Year 1955 and Balances at December 31, 1955

year					
	Sales and retirements	Balance in service at December 31, 1955	Under construction at December 31, 1955	Total fixed assets at December 31, 1955	Expenditures during 1955
	\$	\$	\$	\$	\$
	20,734	76,712,516	447,812	77,160,328	327,520
	1,300	248,908,754	18,194,888	267,103,642	20,710,419
	.....	21,802,556	179	21,802,735	179
	937	11,452,028	.....	11,452,028	.....
	446,974	27,425,266	287,555	27,712,821	1,051,089
	.....	.....	43,594,925	43,594,925	37,374,968
	33,188	73,164,755	.....	73,164,755	172,189
	80,945	57,501,308	44,758	57,546,066	44,758
	.....	29,226,851	.....	29,226,851	50,802
	64,980	8,867,667	734	8,868,401	288,537
	.....	5,044,689	.....	5,044,689	.....
	693	12,204,719	60,614	12,265,333	31,597
	.....	4,898,826	.....	4,898,826	25,434
	4,170	21,171,874	105,251	21,277,125	13,378
	653,921	598,381,809	62,736,716	661,118,525	60,090,870
	.....	46,219,347	80,122	46,299,469	81,302
	.....	47,686,041	3,865	47,689,906	142,580
	106,429	378,902	35,649	414,551	56,232
	106,429	94,284,290	119,636	94,403,926	280,114
	547,492	692,666,099	62,856,352	755,522,451	60,370,984
	141,350	68,338,894	989,717	69,328,611	8,431,129
	2,178,596	94,584,106	2,310,821	96,894,927	
	506,953	7,200,646	200,341	7,400,987	
	717,675	19,294,908	889,439	20,184,347	
	3,544,574	189,418,554	4,390,318	193,808,872	9,999,783
	155,171	77,005,047	2,475,613	79,480,660	5,342,544
	442,405	52,627,246	2,654,762	55,282,008	
	48,025	7,756,189	68,493	7,824,682	
	115,024	22,207,597	574,552	22,782,149	
	760,625	159,596,079	5,773,420	165,369,499	6,645,409

## SOUTHERN ONTARIO

## FIXED

## Statement Showing Changes During

Property	Balance in service at January 1, 1955	Changes during	
		Placed in service	Equipment relocated and reclassified
	\$	\$	\$
<b>Power System—(continued)</b>			
<b>LOCAL SYSTEMS</b>			
Niagara Division . . . . .	115,997	7,893	13,102
Georgian Bay Division . . . . .	197,078	16,518	4,813
Eastern Ontario Division . . . . .	203,769	112,403	15,582
Total local systems . . . . .	516,844	136,814	2,333
COMMUNICATIONS . . . . .	11,724,148	407,440	169,411
Total power system . . . . .	942,986,264	116,637,179	133,030
<b>Administrative and Service Buildings and Equipment</b>			
BUILDINGS . . . . .	17,623,611	1,117,602	34,577
EQUIPMENT . . . . .	5,185,901	827,563	68,100
Total administrative and service buildings and equipment . . . . .	22,809,512	1,945,165	102,677
Rural Power District . . . . .	150,261,312	19,570,870	30,353
Total fixed assets . . . . .	1,116,057,088	138,153,214	.....

## Changes in Assets under Construction during 1955

Under construction at January 1, 1955 . . . . .	\$ 118,660,477
Expenditures during 1955 . . . . .	96,282,107
	\$ 214,942,584
Less—Placed in service during 1955 . . . . .	138,153,214
Under construction at December 31, 1955 . . . . .	\$ 76,789,370

**SYSTEM****ASSETS****Year 1955 and Balances at December 31, 1955**

year				
	Balance in service at December 31, 1955	Under construction at December 31, 1955	Total fixed assets at December 31, 1955	Expenditures during 1955
Sales and retirements				
\$	\$	\$	\$	\$
503	136,489	1,413	137,902	1,320
7,787	210,622	...	210,622	270
41,650	258,940	94,042	352,982	56,903
49,940	606,051	95,455	701,506	58,493
530,767	11,770,232	154,393	11,924,625	499,564
5,433,398	1,054,057,015	73,269,938	1,127,326,953	77,574,233
76,456	18,699,334	1,085,034	19,784,368	1,346,610
554,679	5,526,885	.....	5,526,885	827,563
631,135	24,226,219	1,085,034	25,311,253	2,174,173
3,042,094	166,820,441	2,434,398	169,254,839	16,533,701
9,106,627	1,245,103,675	76,789,370	1,321,893,045	96,282,107

**Summary of Sales and Retirements during 1955**

Charged to reserve for stabilization of rates and contingencies (included in miscellaneous charges) .....	\$ 163,719
Charged to operations .....	64,135
Charged to accumulated depreciation .....	5,400,190
Proceeds from sales credited to fixed assets account .....	3,478,583
	<u>\$ 9,106,627</u>

## SOUTHERN ONTARIO

## Accumulated Depreciation, December 31, 1955

	Power system	Rural power district	Administrative and service buildings and equipment	Total
	\$	\$	\$	\$
Balances at January 1, 1955 ..	100,378,343.67	24,385,698.77	3,323,337.02	128,087,379.46
Add:				
Interest at 3% per annum on accumulated depreciation required on plant not fully depreciated .....	2,627,352.00	769,932.00	29,724.00	3,427,008.00
Provision in the year				
—direct (Note 1) .....	9,228,704.29	3,607,543.54	.....	12,836,247.83
—indirect .....	.....	.....	706,004.37	706,004.37
Transfer from reserve for stabilization of rates and contingencies (Note 1) .....	.....	550,000.00	.....	550,000.00
Salvage recoveries less re- moval costs of assets re- tired .....	10,282.26	193,174.14	10,776.91	192,679.49
Adjustments re transfer of equipment .....	9,716.00	3,954.00	5,762.00	.....
Other adjustments (Note 2) ..	702,800.00	.....	.....	702,800.00
	112,937,766.22	29,510,302.45	4,054,050.48	146,502,119.15
Deduct:				
Cost of fixed assets retired and accumulated deprecia- tion on fixed assets sold (Note 3) .....	2,368,985.00	2,835,254.19	195,951.37	5,400,190.56
Balances at December 31, 1955	110,568,781.22	26,675,048.26	3,858,099.11	141,101,928.59

NOTE 1—The provision in the year includes a special provision of \$350,000 in the rural power district. This special provision together with the transfer of \$550,000 from the reserve for stabilization of rates and contingencies and other credits during the year was sufficient to eliminate the estimated deficiency of \$1,042,000 in the accumulated depreciation for the rural power district at December 31, 1954.

NOTE 2—The cost of standardization of generating equipment at 60 cycles at DeCew Falls and Chats Falls Generating Stations totalling \$702,800 was charged to accumulated depreciation account in 1954. In 1955 the cost was charged to frequency standardization expense and the depreciation account was adjusted accordingly.

NOTE 3—Profits and losses arising in the sale of fixed assets were transferred to the reserve for stabilization of rates and contingencies while profits and losses on retirements of fixed assets were not recognized.

## SYSTEM

## FREQUENCY STANDARDIZATION ACCOUNT—December 31, 1955

Balance at debit at January 1, 1955.....		\$80,068,663.66
Expenditures for frequency standardization work completed		
during year.....	\$44,067,561.34	
Less industrial customers' contributions.....	2,411,002.19	
	<u>\$41,656,559.15</u>	
Less portion of cost charged to cost of power for the year.....	10,237,946.85	
		<u>31,418,612.30</u>
Balance at debit at December 31, 1955.....		\$111,487,275.96

## SOUTHERN ONTARIO

## STATEMENTS OF RESERVES,

## Stabilization of Rates and Contingencies

	General reserve		Special reserve for maximum cost of power	Rural power district rates suspense	Total
	Power system	Rural power district			
	\$	\$	\$	\$	\$
Balances at January 1, 1955.....	70,501,231.99	589,425.29	461,031.80	18,812.77	71,570,501.85
Add:					
Interest for year on reserve balances (Note 1).....	2,347,691.02	19,627.86	18,441.27	752.51	2,386,512.66
Provision in the year...	5,847,671.67	1,619,224.62			7,466,896.29
Excess of revenue from sale of power in the year.....				40,452.37	40,452.37
	78,696,594.68	2,228,277.77	479,473.07	60,017.65	81,464,363.17
Deduct:					
Withdrawals in year applied in reduction of cost of power.....	983,326.60		18,441.27		1,001,767.87
Transfer to accumulated depreciation, rural power district.....		550,000.00			550,000.00
Miscellaneous charges, net (Note 2).....	93,840.19	208,327.06			114,486.87
Balances at December 31, 1955 (Note 3).....	77,807,108.27	1,469,950.71	461,031.80	60,017.65	79,798,108.43

NOTE 1—Interest for the year 1955 on the general reserve balance was credited at 3.33%, which consisted of the actual earnings on the investments held for the general reserves and 4% on the uninvested balance, while in 1954 interest was credited at 4% per annum. In both 1955 and 1954 the interest on the other reserves was 4%.

NOTE 2—Miscellaneous charges, net, \$114,487 include the write off of surplus stores inventories, \$567,986, and other charges, less the proceeds of sale of auxiliary generating equipment previously written off, \$680,000.

NOTE 3—The balance of the general reserve, power system at December 31, 1955 includes special accounts of \$113,857 and \$228,832 pertaining to the municipalities of the Georgian Bay and Eastern Ontario Divisions respectively.

## SYSTEM

DECEMBER 31, 1955

## Exchange Discount and Premium on Funded Debt

	Discount	Premium
	\$	\$
Exchange discount and premium on funded debt issued in United States funds:		
Balances at January 1, 1955.....	3,326,981.62	5,005,256.43
Less discount and premium on bonds redeemed during 1955 (net \$177,130.32 credited to reserve for stabilization of rates and contingencies).....	20,966.38	198,096.70
Balances at December 31, 1955.....	3,306,015.24	4,807,159.73

## Sinking Fund

	Power system and rural power district	Administrative and service buildings and equipment	Total
	\$	\$	\$
Balances at January 1, 1955.....	172,863,726.47	2,141,242.44	175,004,968.91
Add:			
Interest at 4% per annum on reserve balance.....	6,914,549.06	85,649.70	7,000,198.76
Provision in the year—direct.....	11,416,235.52	.....	11,416,235.52
—indirect.....	.....	181,677.53	181,677.53
	191,194,511.05	2,408,569.67	193,603,080.72
Deduct credits resulting from matured sinking funds (see note):			
Interest.....	42,723.99	.....	42,723.99
Principal.....	11,247.09	.....	11,247.09
	53,971.08	.....	53,971.08
Balances at December 31, 1955.....	191,140,539.97	2,408,569.67	193,549,109.64

NOTE: The matured sinking funds at January 1, 1955 amounted to \$1,068,099.71.

## SOUTHERN ONTARIO

## STATEMENT OF THE

For the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standard- ization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Acton.....	2,839.1	13,037.3	106,759.08	14,195.50	5,678.20
Ailsa Craig.....	219.3	893.6	9,201.18	1,096.50	438.60
Alexandria.....	1,027.4	4,529.6	41,603.23	.....	2,054.80
Alfred.....	135.9	525.6	5,487.92	.....	271.80
Alliston.....	1,066.5	5,913.6	46,925.65	.....	2,133.00
Almonte.....	891.5	3,101.3	32,534.27	.....	1,783.00
Alvinston.....	192.3	723.4	8,045.87	961.50	384.60
Amherstburg.....	2,059.7	11,238.8	89,802.21	10,298.50	4,119.40
Ancaster Twp.....	1,300.3	6,382.2	44,482.67	6,501.50	2,600.60
Apple Hill.....	70.9	286.6	2,741.45	.....	141.80
Arkona.....	206.8	761.0	8,256.94	1,034.00	413.60
Arnprior.....	3,016.7	13,594.9	128,589.99	.....	6,033.40
Arthur.....	461.1	2,050.4	19,587.98	.....	922.20
Athens.....	254.7	1,152.2	9,737.97	.....	509.40
Aurora.....	2,376.5	13,393.5	82,731.60	11,882.50	4,753.00
Aylmer.....	2,517.0	12,858.3	101,334.31	12,585.00	5,034.00
Ayr.....	449.5	1,864.8	16,789.09	2,247.50	899.00
Baden.....	352.9	1,356.2	12,211.72	1,764.50	705.80
Bancroft.....	255.8	974.4	12,943.08	.....	511.60
Barrie.....	9,478.1	51,168.8	317,808.28	.....	18,956.20
Barry's Bay.....	203.0	854.2	9,557.86	.....	406.00
Bath.....	164.8	731.2	6,544.42	.....	329.60
Beachville.....	1,133.1	7,080.0	43,469.43	5,665.50	2,266.20
Beamsville.....	1,048.6	5,492.8	39,719.70	5,243.00	2,097.20
Beaverton.....	649.8	2,858.2	29,390.75	.....	1,299.60
Beeton.....	270.9	1,210.7	12,491.08	.....	541.80
Belle River.....	464.1	2,170.4	20,181.68	2,320.50	928.20
Belleville.....	12,973.7	69,740.1	434,320.38	.....	25,947.40
Blenheim.....	996.9	4,768.8	40,899.01	4,984.50	1,993.80
Bloomfield.....	311.9	1,271.9	13,946.54	.....	623.80
Blyth.....	402.9	1,871.6	16,448.54	2,014.50	805.80
Bobcaygeon.....	443.9	1,972.0	17,243.65	.....	887.80
Bolton.....	503.9	2,284.2	19,430.32	2,519.50	1,007.80
Bothwell.....	295.2	1,169.8	12,870.47	1,476.00	590.40
Bowmanville.....	4,499.5	21,870.1	162,224.13	.....	8,999.00
Bradford.....	1,008.9	5,109.5	39,455.98	.....	2,017.80
Braeside.....	304.6	867.6	12,128.91	.....	609.20
Brampton.....	6,836.5	31,766.6	206,165.31	34,182.50	13,673.00
Brantford.....	33,254.4	169,500.1	1,020,898.90	166,272.00	66,508.80
Brantford Twp.....	117.6	583.3	3,691.68	588.00	235.20

## SYSTEM

## COST OF POWER

Ended December 31, 1955

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance credited or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
.....	2,289.56	124,343.22	128,133.43	3,790.21	45.13	43.80
.....	176.85	10,559.43	11,080.63	521.20	50.53	48.15
2,054.80	828.54	40,774.69	43,152.20	2,377.51	42.00	39.69
271.80	109.60	5,378.32	6,083.39	705.07	44.76	39.58
2,133.00	860.06	46,065.59	45,967.42	98.17	43.10	43.19
.....	.....	.....	.....	.....	.....	.....
1,783.00	718.94	31,815.33	32,215.95	400.62	36.14	35.69
.....	155.08	9,236.89	9,715.87	478.98	50.53	48.03
.....	1,661.02	102,559.09	104,058.40	1,499.31	50.52	49.79
.....	1,048.62	52,536.15	55,260.98	2,724.83	42.50	40.40
141.80	57.18	2,684.27	2,944.08	259.81	41.52	37.86
.....	.....	.....	.....	.....	.....	.....
.....	166.77	9,537.77	10,025.14	487.37	48.48	46.12
6,033.40	2,432.79	126,157.20	127,741.29	1,584.09	42.34	41.82
922.20	371.84	19,216.14	18,920.76	295.38	41.03	41.67
509.40	205.40	9,532.57	10,060.66	528.09	39.50	37.43
.....	1,916.50	97,450.60	99,814.40	2,363.80	42.00	41.01
.....	.....	.....	.....	.....	.....	.....
.....	2,029.81	116,923.50	118,691.88	1,768.38	47.16	46.45
.....	362.49	19,573.10	20,001.26	428.16	44.50	43.54
.....	284.59	14,397.43	14,997.88	600.45	42.50	40.80
511.60	206.29	12,736.79	13,230.95	494.16	51.72	49.79
18,956.20	7,643.52	310,164.76	336,473.45	26,308.69	35.50	32.72
.....	.....	.....	.....	.....	.....	.....
406.00	163.71	9,394.15	9,691.80	297.65	47.74	46.28
329.60	132.90	6,411.52	6,514.60	103.08	39.53	38.90
.....	913.78	50,487.35	51,709.10	1,221.75	45.64	44.56
.....	845.63	46,214.27	46,441.24	226.97	44.29	44.07
1,299.60	524.02	28,866.73	28,423.95	442.78	43.74	44.42
.....	.....	.....	.....	.....	.....	.....
541.80	218.46	12,272.62	12,799.62	527.00	47.25	45.30
.....	374.27	23,056.11	23,356.86	300.75	50.33	49.68
25,947.40	10,462.51	423,857.87	457,323.81	33,465.94	35.25	32.67
.....	803.94	47,073.37	47,222.68	149.31	47.37	47.22
623.80	251.53	13,695.01	13,657.76	37.25	43.79	43.91
.....	.....	.....	.....	.....	.....	.....
.....	324.91	18,943.93	18,987.54	43.61	47.13	47.02
887.80	357.98	16,885.67	17,422.42	536.75	39.25	38.04
.....	406.36	22,551.26	23,304.96	753.70	46.25	44.75
.....	238.06	14,698.81	15,274.87	576.06	51.74	49.79
8,999.00	3,628.58	158,595.55	169,379.31	10,783.76	37.64	35.25
.....	.....	.....	.....	.....	.....	.....
2,017.80	813.62	38,642.36	40,354.67	1,712.31	40.00	38.30
609.20	245.64	11,883.27	12,122.84	239.57	39.80	39.01
.....	5,513.23	248,507.58	285,424.58	36,917.00	41.75	36.35
.....	26,817.67	1,226,862.03	1,334,652.57	107,790.54	40.13	36.89
.....	94.84	4,420.04	4,673.95	253.91	39.74	37.59

## SOUTHERN ONTARIO

## STATEMENT OF THE

For the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standard- ization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Brechin.....	92.6	355.6	4,030.87	.....	185.20
Bridgeport.....	520.9	2,354.7	18,753.81	2,604.50	1,041.80
Brigden.....	160.4	640.4	6,633.56	802.00	320.80
Brighton.....	937.5	4,658.7	37,575.14	.....	1,875.00
Brockville.....	10,549.1	51,452.2	336,150.93	.....	21,098.20
Bronte.....	635.2	3,169.5	22,602.94	3,176.00	1,270.40
Brussels.....	419.4	1,989.4	17,553.83	2,097.00	838.80
Burford.....	496.8	2,161.2	17,712.90	2,484.00	993.60
Burgessville.....	150.8	479.6	5,437.29	754.00	301.60
Burk's Falls.....	285.3	1,192.0	14,435.64	.....	570.60
Burlington.....	4,463.9	23,441.7	156,412.94	22,319.50	8,927.80
Caledonia.....	711.4	3,600.0	24,166.35	3,557.00	1,422.80
Campbellville.....	111.3	438.2	4,021.75	556.50	222.60
Cannington.....	449.8	1,847.2	21,050.06	.....	899.60
Cardinal.....	684.1	2,923.4	27,426.22	.....	1,368.20
Carleton Place.....	2,558.6	12,204.6	101,529.68	.....	5,117.20
Casselman.....	326.4	1,353.6	13,593.61	.....	652.80
Cayuga.....	254.2	1,257.7	9,432.24	1,271.00	508.40
Chatham.....	12,714.5	62,783.7	429,005.80	63,572.50	25,429.00
Chatsworth.....	197.2	815.2	8,512.28	.....	394.40
Chesley.....	960.2	3,926.3	38,201.63	.....	1,920.40
Chesterville.....	817.5	3,896.7	34,513.25	.....	1,635.00
Chippawa.....	681.5	3,398.4	19,727.41	3,407.50	1,363.00
Clifford.....	238.0	1,115.2	9,435.54	1,190.00	476.00
Clinton.....	1,602.9	7,950.3	58,890.58	8,014.50	3,205.80
Cobden.....	409.6	1,633.4	13,632.49	.....	819.20
Cobourg.....	5,979.9	29,553.5	259,087.53	.....	11,959.80
Colborne.....	546.1	2,734.4	23,513.78	.....	1,092.20
Coldwater.....	281.1	1,285.6	11,431.79	.....	562.20
Collingwood.....	4,030.2	18,248.1	166,163.35	.....	8,060.40
Comber.....	223.4	875.6	9,738.87	1,117.00	446.80
Cookstown.....	214.1	927.4	9,529.86	.....	428.20
Cottam.....	162.2	690.1	6,354.63	811.00	324.40
Courtright.....	120.2	519.6	4,827.91	601.00	240.40
Creemore.....	340.8	1,441.6	14,459.04	.....	681.60
Dashwood.....	194.6	686.8	8,292.87	973.00	389.20
Delaware.....	170.4	659.0	6,449.81	852.00	340.80
Delhi.....	1,518.5	6,531.2	56,359.37	7,592.50	3,037.00
Deseronto.....	684.6	3,369.6	28,783.89	.....	1,369.20
Dorchester.....	235.7	1,051.6	9,174.56	1,178.50	471.40

## SYSTEM

## COST OF POWER

Ended December 31, 1955

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance credited or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
185.20	74.68	3,956.19	3,841.35	114.84	41.48	42.72
.....	420.07	21,980.04	21,616.30	363.74	41.50	42.20
.....	129.35	7,627.01	7,896.96	269.95	49.23	47.55
1,875.00	756.04	36,819.10	38,969.71	2,150.61	41.57	39.27
21,098.20	8,507.21	327,643.72	400,450.44	72,806.72	37.96	31.06
.....	512.25	26,537.09	27,313.96	776.87	43.00	41.78
.....	338.22	20,151.41	20,300.52	149.11	48.40	48.05
.....	400.64	20,789.86	21,363.85	573.99	43.00	41.85
.....	121.61	6,371.28	6,630.32	259.04	43.97	42.25
570.60	230.08	14,205.56	14,287.01	81.45	50.08	49.79
.....	3,599.87	184,060.37	188,599.41	4,539.04	42.25	41.23
.....	573.70	28,572.45	31,056.92	2,484.47	43.66	40.16
.....	89.76	4,711.09	5,121.33	410.24	46.01	42.33
899.60	362.74	20,687.32	20,262.13	425.19	45.05	45.99
1,368.20	551.69	26,874.53	28,008.44	1,133.91	40.94	39.28
.....	5,117.20	99,466.32	101,115.89	1,649.57	39.52	38.88
652.80	263.22	13,330.39	13,878.07	547.68	42.52	40.84
.....	205.00	11,006.64	11,601.02	594.38	45.64	43.30
.....	10,253.48	507,753.82	529,157.18	21,403.36	41.62	39.94
394.40	159.03	8,353.25	8,884.04	530.79	45.05	42.36
.....	1,920.40	37,427.29	38,565.02	1,137.73	40.16	38.98
1,635.00	659.26	33,853.99	33,379.47	474.52	40.83	41.41
.....	549.59	23,948.32	27,941.84	3,993.52	41.00	35.14
.....	191.93	10,909.61	11,364.72	455.11	47.75	45.84
.....	1,292.64	68,818.24	69,724.71	906.47	43.50	42.93
.....	819.20	13,302.17	13,471.90	169.73	32.89	32.48
11,959.80	4,822.43	254,265.10	266,106.70	11,841.60	44.50	42.52
1,092.20	440.40	23,073.38	23,344.35	270.97	42.75	42.25
562.20	226.69	11,205.10	12,965.09	1,759.99	46.12	39.86
8,060.40	3,250.11	162,913.24	162,545.71	367.53	40.33	40.42
.....	180.16	11,122.51	11,299.84	177.33	50.58	49.79
428.20	172.66	9,357.20	9,792.78	435.58	45.74	43.70
.....	130.80	7,359.23	7,617.70	258.47	46.96	45.37
.....	96.93	5,572.38	5,649.87	77.49	47.00	46.36
681.60	274.83	14,184.21	14,358.15	173.94	42.13	41.62
.....	156.93	9,498.14	9,695.99	197.85	49.83	48.81
.....	137.42	7,505.19	7,825.28	320.09	45.92	44.04
.....	1,224.58	65,764.29	66,052.94	288.65	43.50	43.31
1,369.20	552.09	28,231.80	30,466.93	2,235.13	44.50	41.24
.....	190.08	10,634.38	10,917.68	283.30	46.32	45.12

## SOUTHERN ONTARIO

## STATEMENT OF THE

For the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standardization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Drayton.....	250.2	965.2	9,398.24	1,251.00	500.40
Dresden.....	834.7	4,280.8	35,109.51	4,173.50	1,669.40
Drumbo.....	165.4	664.9	6,755.30	827.00	330.80
Dublin.....	154.8	677.3	5,655.30	774.00	309.60
Dundalk.....	416.7	1,621.2	18,320.60	.....	833.40
Dundas.....	4,810.3	22,524.0	142,794.13	24,051.50	9,620.60
Dunnville.....	2,659.3	12,293.5	104,899.59	13,296.50	5,318.60
Durham.....	905.1	4,262.8	37,479.85	.....	1,810.20
Dutton.....	269.1	1,302.0	11,732.60	1,345.50	538.20
East York Twp.....	29,013.4	153,533.3	886,246.47	145,067.00	58,026.80
Eganville.....	207.6	864.4	7,648.60	.....	415.20
Elmira.....	2,486.8	11,598.7	88,694.61	12,434.00	4,973.60
Elmvale.....	415.9	1,884.8	16,809.60	.....	831.80
Elmwood.....	145.3	446.6	6,005.51	.....	290.60
Elora.....	666.8	2,731.8	26,226.25	3,334.00	1,333.60
Embro.....	269.4	1,159.0	10,137.30	1,347.00	538.80
Erieau.....	271.3	1,267.2	11,828.39	1,356.50	542.60
Erie Beach.....	37.1	105.4	1,541.71	185.50	74.20
Erin.....	321.2	1,364.3	13,396.21	.....	642.40
Essex.....	1,093.9	5,629.3	45,778.19	5,469.50	2,187.80
Etobicoke Twp.....	51,505.5	302,918.6	1,671,350.33	257,527.50	103,011.00
Exeter.....	1,430.6	6,732.8	58,425.74	7,153.00	2,861.20
Fergus.....	2,498.3	10,072.9	88,503.20	12,491.50	4,996.60
Finch.....	168.6	731.0	6,616.19	.....	337.20
Flesherton.....	271.1	954.8	10,023.19	.....	542.20
Fonthill.....	744.0	3,859.2	25,992.38	3,720.00	1,488.00
Forest.....	892.5	4,981.4	38,907.97	4,462.50	1,785.00
Forest Hill.....	10,389.8	56,073.5	319,412.16	51,949.00	20,779.60
Frankford.....	453.2	1,671.4	16,468.37	.....	906.40
Galt.....	17,446.1	79,814.2	520,654.23	87,230.50	34,892.20
Georgetown.....	3,872.3	20,082.8	132,902.27	19,361.50	7,744.60
Glencoe.....	329.0	1,528.9	13,945.45	1,645.00	658.00
Goderich.....	3,174.4	16,206.2	135,281.65	15,872.00	6,348.80
Grand Bend.....	503.1	2,143.0	21,935.65	2,515.50	1,006.20
Grand Valley.....	357.7	1,343.1	16,566.60	.....	715.40
Granton.....	96.0	334.6	3,570.01	480.00	192.00
Gravenhurst.....	2,095.9	10,507.7	78,855.12	.....	4,191.80
Grimsby.....	1,724.5	9,242.8	67,496.69	8,622.50	3,449.00
Guelph.....	21,201.5	111,664.9	651,708.54	106,007.50	42,403.00
Hagersville.....	1,547.8	6,264.0	54,701.28	7,739.00	3,095.60

## SYSTEM

## COST OF POWER

Ended December 31, 1955

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance credited or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
.....	201.77	10,947.87	11,312.03	364.16	45.21	43.76
.....	673.14	40,279.27	39,263.04	1,016.23	47.04	48.26
.....	133.39	7,779.71	8,023.93	244.22	48.51	47.04
.....	124.84	6,614.06	7,277.73	663.67	47.01	42.73
833.40	336.04	17,984.56	17,658.16	326.40	42.38	43.16
.....	3,879.22	172,587.01	178,955.52	6,368.51	37.20	35.88
.....	2,144.57	121,370.12	124,986.69	3,616.57	47.00	45.64
1,810.20	729.91	36,749.94	36,767.71	17.77	40.62	40.60
.....	217.01	13,399.29	13,932.51	533.22	51.77	49.79
.....	23,397.56	1,065,942.71	1,109,764.14	43,821.43	38.25	36.74
.....	167.42	7,481.18	9,041.11	1,559.93	43.55	36.04
.....	2,005.45	104,096.76	105,688.30	1,591.54	42.50	41.86
831.80	335.40	16,474.20	18,792.77	2,318.57	45.19	39.61
290.60	117.18	5,888.33	6,258.63	370.30	43.07	40.53
.....	537.73	30,356.12	30,210.10	146.02	45.31	45.53
.....	217.25	11,805.85	11,920.21	114.36	44.25	43.82
.....	218.79	13,508.70	13,495.99	12.71	49.75	49.79
.....	29.92	1,771.49	1,814.35	42.86	48.90	47.75
642.40	259.03	13,137.18	13,970.05	832.87	43.49	40.90
.....	882.16	52,553.33	53,980.27	1,426.94	49.35	48.04
.....	41,536.08	1,990,352.75	2,085,972.40	95,619.65	40.50	38.64
.....	1,153.69	67,286.25	67,466.32	180.07	47.16	47.03
.....	2,014.73	103,976.57	104,929.30	952.73	42.00	41.62
337.20	135.97	6,480.22	6,609.12	128.90	39.20	38.44
542.20	218.63	9,804.56	9,598.59	205.97	35.41	36.16
.....	599.99	30,600.39	31,118.50	518.11	41.83	41.13
.....	719.75	44,435.72	46,194.75	1,759.03	51.76	49.79
.....	8,378.75	383,762.01	402,604.42	18,842.41	38.75	36.94
.....	365.48	16,102.89	15,502.41	600.48	34.21	35.53
906.40	14,069.23	628,707.70	649,865.66	21,157.96	37.25	36.04
.....	3,122.78	156,885.59	175,220.43	18,334.84	45.25	40.51
.....	265.32	15,983.13	15,914.58	68.55	48.37	48.58
.....	2,559.96	154,942.49	154,752.80	189.69	48.75	48.81
.....	405.72	25,051.63	26,065.73	1,014.10	51.81	49.79
715.40	288.46	16,278.14	17,828.47	1,550.33	49.84	45.51
.....	77.42	4,164.59	4,399.59	235.00	45.83	43.38
.....	1,690.22	77,164.90	79,643.56	2,478.66	38.00	36.82
4,191.80	1,390.71	78,177.48	79,757.73	1,580.25	46.25	45.33
.....	17,097.73	783,021.31	810,955.79	27,934.48	38.25	36.93
.....	1,248.21	64,287.67	64,231.98	55.69	41.50	41.53

## SOUTHERN ONTARIO

## STATEMENT OF THE

## For the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standard- ization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Hamilton.....	220,770.1	1,329,038.3	6,829,097.87	1,103,850.50	441,540.20
Hanover.....	2,791.1	11,133.8	100,298.38	.....	5,582.20
Harriston.....	971.4	4,438.4	36,612.69	4,857.00	1,942.80
Harrow.....	932.1	4,078.4	38,875.79	4,660.50	1,864.20
Hastings.....	263.8	1,234.4	11,680.48	.....	527.60
Havelock.....	316.1	1,426.0	14,198.70	.....	632.20
Hawkesbury.....	1,756.5	8,877.1	54,677.01	.....	3,513.00
Hensall.....	518.3	2,157.6	20,172.31	2,591.50	1,036.60
Hespeler.....	5,175.8	23,894.4	162,271.59	25,879.00	10,351.60
Highgate.....	147.5	480.9	6,430.98	737.50	295.00
Holstein.....	76.7	318.2	3,274.78	.....	153.40
Huntsville.....	2,028.3	11,292.8	90,843.82	.....	4,056.60
Ingersoll.....	4,292.0	19,937.9	150,315.59	21,460.00	8,584.00
Iroquois.....	520.9	2,578.0	23,212.24	.....	1,041.80
Jarvis.....	258.3	1,233.8	10,050.54	1,291.50	516.60
Kemptville.....	1,081.9	4,696.5	43,331.34	.....	2,163.80
Kincardine.....	1,467.4	7,431.1	70,957.91	.....	2,934.80
Kingston.....	28,525.8	155,071.0	930,252.87	.....	57,051.60
Kingsville.....	1,348.0	6,662.0	51,380.53	6,740.00	2,696.00
Kirkfield.....	60.1	225.4	2,830.44	.....	120.20
Kitchener.....	46,412.1	246,455.4	1,289,981.20	232,060.50	92,824.20
Lakefield.....	1,361.7	8,134.9	47,562.49	.....	2,723.40
Lambeth.....	628.8	2,697.6	23,145.87	3,144.00	1,257.60
Lanark.....	227.1	943.7	9,118.16	.....	454.20
Lancaster.....	152.6	699.2	5,975.24	.....	305.20
La Salle.....	808.4	3,854.1	32,739.42	4,042.00	1,616.80
Leamington.....	3,806.8	19,977.8	152,197.43	19,034.00	7,613.60
Lindsay.....	5,472.2	30,230.0	214,865.17	.....	10,944.40
Listowel.....	2,188.6	9,828.4	77,403.13	10,943.00	4,377.20
London.....	52,544.1	299,505.0	1,724,042.64	262,720.50	105,088.20
London Twp.....	1,291.2	5,705.2	44,220.97	6,456.00	2,582.40
Long Branch.....	4,781.1	25,078.8	156,438.29	23,905.50	9,562.20
L'Orignal.....	212.8	813.7	8,160.84	.....	425.60
Lucan.....	439.3	1,967.0	19,154.03	2,196.50	878.60
Lucknow.....	479.8	1,975.2	22,442.51	.....	959.60
Lynden.....	207.7	813.6	7,589.63	1,038.50	415.40
Madoc.....	639.0	2,754.6	27,386.22	.....	1,278.00
Magnetawan.....	55.4	221.9	2,803.05	.....	110.80
Markdale.....	445.5	1,981.6	18,816.25	.....	891.00
Markham.....	1,165.1	5,341.9	42,518.28	5,825.50	2,330.20

## SYSTEM

## COST OF POWER

Ended December 31, 1955

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance credited or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
.....	178,037.78	8,196,450.79	8,554,841.98	358,391.19	38.75	37.13
5,582.20	2,250.85	98,047.53	103,272.23	5,224.70	37.00	35.13
.....	783.38	42,629.11	43,878.74	1,249.63	45.17	43.88
.....	751.68	44,648.81	44,829.24	180.43	48.09	47.90
527.60	212.74	11,467.74	11,531.88	64.14	43.71	43.47
632.20	254.92	13,943.78	14,461.19	517.41	45.75	44.11
3,513.00	1,416.51	53,260.50	63,487.36	10,226.86	36.14	30.32
.....	417.98	23,382.43	23,655.29	272.86	45.64	45.11
.....	4,173.97	194,328.22	203,991.08	9,662.86	39.41	37.55
.....	118.95	7,344.53	7,635.59	291.06	51.77	49.79
153.40	61.85	3,212.93	3,316.54	103.61	43.24	41.89
4,056.60	1,635.70	89,208.12	88,474.20	733.92	43.62	43.98
.....	3,461.24	176,898.35	183,481.93	6,583.58	42.75	41.22
1,041.80	420.07	22,792.17	22,757.80	34.37	43.69	43.76
.....	208.30	11,650.34	12,225.36	575.02	47.33	45.10
2,163.80	872.49	42,458.85	43,461.61	1,002.76	40.17	39.24
2,934.80	1,183.37	69,774.54	66,982.21	2,792.33	45.65	47.55
57,051.60	23,004.34	907,248.53	977,008.63	69,760.10	34.25	31.80
.....	1,087.08	59,729.45	61,871.15	2,141.70	45.90	44.31
120.20	48.47	2,781.97	2,616.78	165.19	43.54	46.29
.....	37,428.56	1,577,437.34	1,666,482.67	89,045.33	35.91	33.99
2,723.40	1,098.13	46,464.36	45,294.71	1,169.65	33.26	34.12
.....	507.09	27,040.38	27,555.50	515.12	43.82	43.00
454.20	183.14	8,935.02	9,195.32	260.30	40.49	39.34
305.20	123.06	5,852.18	6,403.13	550.95	41.96	38.35
.....	651.93	37,746.29	39,667.90	1,921.61	49.07	46.69
.....	3,069.95	175,775.08	177,395.03	1,619.95	46.60	46.17
10,944.40	4,413.00	210,452.17	227,329.60	16,877.43	41.54	38.46
.....	1,764.97	90,958.36	99,482.06	8,523.70	45.45	41.56
.....	42,373.65	2,049,477.69	2,140,280.76	90,803.07	40.73	39.00
.....	1,041.27	52,218.10	56,042.56	3,824.46	43.40	40.44
.....	3,855.67	186,050.32	192,439.60	6,389.28	40.25	38.91
425.60	171.61	7,989.23	8,697.07	707.84	40.87	37.54
.....	354.27	21,874.86	21,575.90	298.96	49.11	49.79
959.60	386.93	22,055.58	21,269.50	786.08	44.33	45.97
.....	167.50	8,876.03	9,409.91	533.88	45.31	42.73
1,278.00	515.31	26,870.91	27,391.73	520.82	42.87	42.05
110.80	44.68	2,758.37	2,746.44	11.93	49.57	49.79
891.00	359.27	18,456.98	18,712.75	255.77	42.00	41.43
.....	939.58	49,734.40	52,428.00	2,693.60	45.00	42.69

## SOUTHERN ONTARIO

## STATEMENT OF THE

For the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standard- ization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Marmora.....	454.3	2,171.2	21,401.51	.....	908.60
Martintown.....	107.2	387.5	3,890.42	.....	214.40
Maxville.....	307.7	1,163.3	13,211.40	.....	615.40
Meaford.....	1,901.3	8,707.6	81,788.67	.....	3,802.60
Merlin.....	201.9	862.5	8,535.73	1,009.50	403.80
Merrickville.....	351.1	1,577.0	11,056.07	.....	702.20
Merriton.....	14,879.3	78,972.7	454,098.55	74,396.50	29,758.60
Midland.....	5,305.5	23,414.9	185,527.38	.....	10,611.00
Mildmay.....	330.7	1,435.4	13,324.99	.....	661.40
Millbrook.....	307.3	1,392.2	13,595.22	.....	614.60
Milton.....	3,003.4	13,771.1	103,838.41	15,017.00	6,006.80
Milverton.....	727.9	2,566.4	28,377.16	3,639.50	1,455.80
Mimico.....	5,626.5	29,942.2	174,200.77	28,132.50	11,253.00
Mitchell.....	1,256.7	6,252.8	46,244.97	6,283.50	2,513.40
Moorefield.....	153.1	641.3	5,586.15	765.50	306.20
Morrisburg.....	890.2	4,713.9	38,561.27	.....	1,780.40
Mount Brydges.....	233.5	961.6	8,840.32	1,167.50	467.00
Mount Forest.....	1,254.3	5,469.6	50,590.36	.....	2,508.60
Napanee.....	2,539.2	12,058.4	106,679.06	.....	5,078.40
Neustadt.....	246.4	995.9	9,386.17	.....	492.80
Newboro.....	62.0	236.4	2,242.11	.....	124.00
Newburgh.....	160.5	693.8	6,570.75	.....	321.00
Newbury.....	79.2	343.2	3,453.09	396.00	158.40
Newcastle.....	583.8	2,700.2	25,916.77	.....	1,167.60
New Hamburg.....	1,054.4	4,321.2	38,145.89	5,272.00	2,108.80
Newmarket.....	3,527.7	17,259.6	114,802.38	17,638.50	7,055.40
New Toronto.....	16,721.8	89,085.6	525,614.39	83,609.00	33,443.60
Niagara.....	1,483.1	7,846.8	49,059.24	7,415.50	2,966.20
Niagara Falls.....	15,108.0	80,010.9	450,467.41	75,540.00	30,216.00
North York Twp.....	80,292.9	423,782.2	2,494,769.29	401,464.50	160,585.80
Norwich.....	757.7	3,456.0	29,274.37	3,788.50	1,515.40
Norwood.....	370.1	1,780.4	17,274.40	.....	740.20
Oakville.....	6,321.3	32,447.4	197,029.07	31,606.50	12,642.60
Oil Springs.....	193.0	1,120.4	8,414.25	965.00	386.00
Omeme.....	291.9	1,408.4	12,486.83	.....	583.80
Orangeville.....	1,771.9	8,867.9	80,798.62	.....	3,543.80
Orillia.....	2,810.6	10,701.9	103,872.30	.....	5,621.20
Orono.....	301.1	1,314.4	11,980.83	.....	602.20
Oshawa.....	38,385.4	204,112.8	1,332,907.79	.....	76,770.80
Ottawa.....	93,320.0	461,665.5	2,772,407.02	.....	186,640.00

## SYSTEM

## COST OF POWER

Ended December 31, 1955

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance credited or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
908.60	366.39	21,035.12	21,114.36	79.24	46.48	46.30
214.40	86.45	3,803.97	4,231.71	427.74	39.47	35.48
615.40	248.14	12,963.26	13,163.60	200.34	42.78	42.13
3,802.60	1,533.28	80,255.39	78,643.58	1,611.81	41.36	42.21
.....	162.82	9,786.21	9,831.56	45.35	48.70	48.47
702.20	283.14	10,772.93	11,020.87	247.94	31.39	30.68
.....	11,999.26	546,254.39	587,731.02	41,476.63	39.50	36.71
10,611.00	4,278.57	181,248.81	197,989.63	16,740.82	37.32	34.16
661.40	266.69	13,058.30	13,395.06	336.76	40.51	39.49
614.60	247.82	13,347.40	14,029.38	681.98	45.65	43.43
.....	2,422.06	122,440.15	126,474.24	4,034.09	42.11	40.77
.....	587.01	32,885.45	33,898.64	1,013.19	46.57	45.18
.....	4,537.43	209,048.84	215,213.31	6,164.47	38.25	37.15
.....	1,013.45	54,028.42	54,352.62	324.20	43.25	42.99
.....	123.47	6,534.38	6,746.22	211.84	44.06	42.68
1,780.40	717.89	37,843.38	38,462.10	618.72	43.21	42.51
.....	188.30	10,286.52	10,959.89	673.37	46.94	44.05
2,508.60	1,011.52	49,578.84	50,798.47	1,219.63	40.50	39.53
5,078.40	2,047.71	104,631.35	106,490.24	1,858.89	41.94	41.21
492.80	198.71	9,187.46	9,486.72	299.26	38.50	37.29
124.00	50.00	2,192.11	2,426.04	233.93	39.13	35.36
321.00	129.43	6,441.32	6,660.57	219.25	41.50	40.13
.....	63.87	3,943.62	4,102.55	158.93	51.80	49.79
1,167.60	470.80	25,445.97	24,955.31	490.66	42.75	43.59
.....	850.31	44,676.38	46,130.73	1,454.35	43.75	42.37
.....	2,844.88	136,651.40	139,345.46	2,694.06	39.50	38.74
.....	13,485.12	629,181.87	673,050.77	43,868.90	40.25	37.63
.....	1,196.03	58,244.91	56,355.90	1,889.01	38.00	39.27
.....	12,183.69	544,039.72	538,213.16	5,826.56	35.62	36.01
.....	64,751.38	2,992,068.21	3,191,644.09	199,575.88	39.75	37.26
.....	611.04	33,967.23	34,904.65	937.42	46.07	44.83
740.20	298.46	16,975.94	16,580.69	395.25	44.80	45.87
.....	5,097.75	236,180.42	267,226.38	31,045.96	42.27	37.36
.....	155.64	9,609.61	9,989.27	379.66	51.76	49.79
583.80	235.40	12,251.43	12,331.00	79.57	42.24	41.97
3,543.80	1,428.93	79,369.69	79,933.30	563.61	45.11	44.79
5,621.20	2,266.58	101,605.72	102,299.00	693.28	36.40	36.15
602.20	242.82	11,738.01	12,449.26	711.25	41.35	38.98
76,770.80	30,955.51	1,301,952.28	1,400,548.18	98,595.90	36.49	33.92
186,640.00	75,256.92	2,697,150.10	2,963,762.89	266,612.79	31.76	28.90

## SOUTHERN ONTARIO

## STATEMENT OF THE

For the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standard- ization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Otterville.....	267.6	1,205.2	9,927.26	1,338.00	535.20
Owen Sound.....	9,591.7	45,249.1	343,142.46		19,183.40
Paisley.....	336.4	1,432.5	14,907.87		672.80
Palmerston.....	886.6	4,477.7	31,687.90	4,433.00	1,773.20
Paris.....	2,624.3	12,694.2	82,444.06	13,121.50	5,248.60
Parkhill.....	565.4	2,432.0	23,351.95	2,827.00	1,130.80
Parry Sound.....	1,125.1	5,654.4	49,150.24		2,250.20
Penetanguishene.....	1,954.9	9,430.5	72,372.51		3,909.80
Perth.....	2,975.0	12,540.5	109,923.82		5,950.00
Peterborough.....	28,486.1	152,355.2	983,071.03		56,972.20
Petrolia.....	1,199.3	6,101.5	52,240.01	5,996.50	2,398.60
Petrolia (Waterworks).....	144.4	712.0	5,839.33	722.00	288.80
Picton.....	2,623.9	13,458.1	100,079.46		5,247.80
Plattsville.....	382.8	1,612.8	14,077.44	1,914.00	765.60
Point Edward.....	2,831.6	11,419.2	102,796.93	14,158.00	5,663.20
Port Burwell.....	68.5	302.0	2,949.02	342.50	137.00
Port Colborne.....	4,387.8	24,331.2	145,059.14	21,939.00	8,775.60
Port Credit.....	3,697.8	22,305.0	130,941.00	18,489.00	7,395.60
Port Dalhousie.....	1,463.8	8,084.9	50,499.47	7,319.00	2,927.60
Port Dover.....	1,206.7	6,463.6	45,152.44	6,033.50	2,413.40
Port Elgin.....	906.9	4,087.2	42,127.18		1,813.80
Port Hope.....	5,510.1	27,985.6	235,529.92		11,020.20
Port McNicoll.....	898.7	2,362.0	31,168.11		1,797.40
Port Perry.....	840.8	3,917.6	34,804.28		1,681.60
Port Rowan.....	205.2	882.1	8,570.46	1,026.00	410.40
Port Stanley.....	895.4	4,683.4	36,662.37	4,477.00	1,790.80
Prescott.....	2,550.8	11,721.0	94,890.53		5,101.60
Preston.....	6,667.4	29,076.4	203,929.73	33,337.00	13,334.80
Priceville.....	37.2	138.5	1,665.34		74.40
Princeton.....	186.8	793.2	7,447.41	934.00	373.60
Queenston.....	259.5	1,367.2	8,640.72	1,297.50	519.00
Renfrew.....	2,426.1	10,073.7	90,727.24		4,852.20
Richmond.....	282.3	1,172.8	9,448.99		564.60
Richmond Hill.....	2,443.9	11,545.8	86,878.26	12,219.50	4,887.80
Ridgetown.....	873.8	4,039.8	38,095.74	4,369.00	1,747.60
Ripley.....	208.9	860.8	9,796.34		417.80
Riverside.....	4,000.5	18,851.2	154,902.45	20,002.50	8,001.00
Rockland.....	554.6	2,434.6	18,860.56		1,109.20
Rockwood.....	312.0	1,371.2	12,367.13	1,560.00	624.00
Rodney.....	320.7	1,417.6	13,981.74	1,603.50	641.40
Rosseau.....	66.1	273.0	2,783.59		132.20

## SYSTEM

## COST OF POWER

Ended December 31, 1955

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance credited or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
.....	215.80	11,584.66	12,228.33	643.67	45.70	43.29
19,183.40	7,735.13	335,407.33	347,699.43	12,292.10	36.25	34.97
672.80	271.29	14,636.58	15,136.48	499.90	45.00	43.51
.....	714.99	37,179.11	38,591.17	1,412.06	43.53	41.93
.....	2,116.34	98,697.82	102,346.42	3,648.60	39.00	37.61
.....	455.96	26,853.79	27,895.60	1,041.81	49.34	47.50
2,250.20	907.33	48,242.91	46,925.15	1,317.76	41.71	42.88
3,909.80	1,576.51	70,796.00	78,317.90	7,521.90	40.06	36.21
5,950.00	2,399.16	107,524.66	113,120.26	5,595.60	38.02	36.14
56,972.20	22,972.32	960,098.71	1,011,255.36	51,156.65	35.50	33.70
.....	967.16	59,667.95	59,622.99	44.96	49.71	49.75
.....	116.45	6,733.68	7,198.09	464.41	49.85	46.63
5,247.80	2,116.02	97,963.44	105,375.50	7,412.06	40.16	37.34
.....	308.71	16,448.33	17,334.29	885.96	45.28	42.97
.....	2,283.51	120,334.62	122,274.89	1,940.27	43.18	42.50
.....	55.24	3,373.28	3,371.98	1.30	49.23	49.24
.....	3,538.50	172,235.24	180,997.42	8,762.18	41.25	39.25
.....	2,982.05	153,843.55	157,157.90	3,314.35	42.50	41.60
.....	1,180.47	59,565.60	62,942.68	3,377.08	43.00	40.69
.....	973.13	52,626.21	53,999.83	1,373.62	44.75	43.61
1,813.80	731.36	41,395.82	40,666.45	729.37	44.84	45.65
.....	4,443.56	231,086.36	238,312.91	7,226.55	43.25	41.94
1,797.40	724.75	30,443.36	33,316.39	2,873.03	37.07	33.87
1,681.60	678.05	34,126.23	35,364.67	1,238.44	42.06	40.59
.....	165.48	9,841.38	10,003.91	162.53	48.75	47.96
.....	722.09	42,208.08	42,228.18	20.10	47.16	47.14
.....	5,101.60	92,833.46	103,873.43	11,039.97	40.72	36.39
.....	5,376.86	245,224.67	245,126.94	97.73	36.76	36.78
.....	74.40	1,635.34	1,813.38	178.04	48.75	43.96
.....	150.64	8,604.37	8,779.21	174.84	47.00	46.06
.....	209.27	10,247.95	10,300.53	52.58	39.69	39.49
.....	4,852.20	88,770.74	91,832.21	3,061.47	37.85	36.59
564.60	227.66	9,221.33	10,375.74	1,154.41	36.75	32.67
.....	1,970.86	102,014.70	109,830.68	7,815.98	44.94	41.74
.....	704.67	43,507.67	44,392.18	884.51	50.80	49.79
417.80	168.47	9,627.87	9,424.87	203.00	45.12	46.09
.....	3,226.16	179,679.79	184,119.36	4,439.57	46.02	44.91
1,109.20	447.25	18,413.31	18,991.62	578.31	34.24	33.20
.....	251.62	14,299.51	14,864.60	565.09	47.64	45.83
.....	258.63	15,968.01	16,596.77	628.76	51.75	49.79
132.20	53.31	2,730.28	2,783.90	53.62	42.12	41.31

## SOUTHERN ONTARIO

## STATEMENT OF THE

For the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standard- ization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Russell.....	182.5	751.8	6,205.88	.....	365.00
St. Catharines.....	34,194.6	169,899.5	1,014,443.48	170,973.00	68,389.20
St. Clair Beach.....	288.4	1,191.4	11,175.53	1,442.00	576.80
St. George.....	250.2	1,151.4	9,146.14	1,251.00	500.40
St. Jacobs.....	397.1	1,479.3	15,390.23	1,985.50	794.20
St. Mary's.....	2,501.4	12,096.2	78,144.35	12,507.00	5,002.80
St. Thomas.....	10,432.2	59,579.4	343,472.65	52,161.00	20,864.40
Sarnia.....	29,226.5	191,937.5	1,058,133.19	146,132.50	58,453.00
Scarborough Twp.....	62,438.9	327,167.3	1,949,661.13	312,194.50	124,877.80
Seaforth.....	1,451.9	6,204.8	45,678.70	7,259.50	2,903.80
Shelburne.....	629.1	2,710.0	30,210.08	.....	1,258.20
Simcoe.....	4,624.8	22,874.4	145,870.15	23,124.00	9,249.60
Smith's Falls.....	5,636.0	25,665.4	180,834.92	.....	11,272.00
Smithville.....	425.6	1,858.6	16,934.33	2,128.00	851.20
Southampton.....	811.1	3,950.9	37,783.05	.....	1,622.20
Springfield.....	149.8	619.2	5,759.10	749.00	299.60
Stamford Twp.....	10,339.5	55,628.0	316,709.71	51,697.50	20,679.00
Stayner.....	736.5	3,081.6	30,985.63	.....	1,473.00
Stirling.....	663.7	2,884.5	23,283.59	.....	1,327.40
Stoney Creek.....	1,849.7	9,427.9	62,769.93	9,248.50	3,699.40
Stouffville.....	1,126.4	4,803.1	42,107.57	5,632.00	2,252.80
Stratford.....	11,632.8	60,784.0	366,169.81	58,164.00	23,265.60
Strathroy.....	2,406.8	12,195.8	79,487.70	12,034.00	4,813.60
Streetsville.....	1,332.9	6,532.0	47,193.50	6,664.50	2,665.80
Sunderland.....	249.0	1,028.0	11,043.90	.....	498.00
Sundridge.....	156.2	741.7	7,904.18	.....	312.40
Sutton.....	733.8	3,487.6	29,923.60	3,669.00	1,467.60
Swansea.....	4,328.7	24,474.9	135,950.46	21,643.50	8,657.40
Tara.....	235.8	895.6	10,582.26	.....	471.60
Tavistock.....	802.7	3,664.6	29,718.92	4,013.50	1,605.40
Tecumseh.....	1,026.6	5,313.4	40,866.16	5,133.00	2,053.20
Teeswater.....	385.6	1,746.0	17,098.17	.....	771.20
Thamesford.....	375.4	1,565.0	15,876.47	1,877.00	750.80
Thamesville.....	498.6	1,856.9	21,194.28	2,493.00	997.20
Thedford.....	261.8	1,245.5	11,412.34	1,309.00	523.60
Thornbury.....	377.7	1,501.9	16,240.75	.....	755.40
Thorndale.....	180.5	668.0	6,771.08	902.50	361.00
Thornton.....	85.6	304.2	3,190.19	.....	171.20
Thorold.....	7,271.3	49,161.2	233,848.40	36,356.50	14,542.60
Tilbury.....	1,421.5	6,075.3	61,973.58	7,107.50	2,843.00

## SYSTEM

## COST OF POWER

Ended December 31, 1955

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance <i>credited</i> or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
365.00	147.18	6,058.70	6,797.49	738.79	37.25	33.20
.....	27,575.88	1,226,229.80	1,307,942.51	81,712.71	38.25	35.86
.....	232.58	12,961.75	13,389.64	427.89	46.43	44.94
.....	201.77	10,695.77	11,216.28	520.51	44.83	42.75
.....	320.24	17,849.69	17,200.27	649.42	43.31	44.95
.....	2,017.23	93,636.92	98,931.33	5,294.41	39.55	37.43
.....	8,412.94	408,085.11	425,390.61	17,305.50	40.78	39.12
.....	23,569.42	1,239,149.27	1,264,334.47	25,185.20	43.26	42.40
.....	50,353.22	2,336,380.21	2,481,946.61	145,566.40	39.75	37.42
.....	1,170.87	54,671.13	57,083.72	2,412.59	39.32	37.65
1,258.20	507.33	29,702.75	28,796.81	905.94	45.77	47.21
.....	3,729.62	174,514.13	181,524.35	7,010.22	39.25	37.73
11,272.00	4,545.09	176,289.83	188,806.02	12,516.19	33.50	31.28
.....	343.22	19,570.31	19,411.39	158.92	45.61	45.98
1,622.20	654.10	37,128.95	36,365.49	763.46	44.83	45.78
.....	120.80	6,686.90	7,006.10	319.20	46.77	44.64
.....	8,338.18	380,748.03	363,970.65	16,777.38	35.20	36.82
1,473.00	593.94	30,391.69	30,584.02	192.33	41.53	41.27
1,327.40	535.23	22,748.36	23,740.29	991.93	35.77	34.28
.....	1,491.67	74,226.16	76,580.31	2,354.15	41.40	40.13
.....	908.37	49,084.00	50,181.83	1,097.83	44.55	43.58
.....	9,381.15	438,218.26	461,124.68	22,906.42	39.64	37.67
.....	1,940.93	94,394.37	97,962.52	3,568.15	40.70	39.22
.....	1,074.91	55,448.89	55,983.20	534.31	42.00	41.60
498.00	200.80	10,843.10	10,426.52	416.58	41.87	43.55
312.40	125.97	7,778.21	8,082.93	304.72	51.75	49.79
.....	591.76	34,468.44	34,662.41	193.97	47.24	46.97
.....	3,490.84	162,760.52	176,544.27	13,783.75	40.78	37.60
471.60	190.16	10,392.10	11,154.51	762.41	47.30	44.07
.....	647.33	34,690.49	35,441.19	750.70	44.15	43.22
.....	827.89	47,224.47	48,152.05	927.58	46.90	46.00
771.20	310.96	16,787.21	18,336.86	1,549.65	47.55	43.54
.....	302.74	18,201.53	18,504.28	302.75	49.29	48.49
.....	402.09	24,282.39	25,472.12	1,189.73	51.09	48.70
.....	211.12	13,033.82	13,388.43	354.61	51.14	49.79
755.40	304.59	15,936.16	16,579.80	643.64	43.90	42.19
.....	145.57	7,889.01	8,030.05	141.04	44.49	43.71
171.20	69.03	3,121.16	3,176.91	55.75	37.11	36.46
.....	5,863.86	278,883.64	289,035.82	10,152.18	39.75	38.35
.....	1,146.35	70,777.73	71,482.32	704.59	50.29	49.79

**SOUTHERN ONTARIO**  
**STATEMENT OF THE**  
**For the Year**

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Frequency standardization interest and portion of cost written off	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Tillsonburg.....	3,234.9	15,153.6	101,288.15	16,174.50	6,469.80
Toronto.....	479,510.8	2,796,954.0	14,790,494.25	2,397,554.00	959,021.60
Toronto Twp.....	24,194.4	154,685.6	811,287.33	120,972.00	48,388.80
Tottenham.....	262.9	1,290.4	11,296.56	.....	525.80
Trafalgar Twp.....	3,524.8	18,443.7	119,762.17	17,624.00	7,049.60
Trenton.....	9,609.2	52,091.3	289,747.65	.....	19,218.40
Tweed.....	764.7	3,526.2	27,643.79	.....	1,529.40
Uxbridge.....	939.3	4,298.4	39,454.52	.....	1,878.60
Vankleek Hill.....	308.9	1,345.4	12,056.89	.....	617.80
Victoria Harbour.....	226.0	951.2	9,284.10	.....	452.00
Walkerton.....	1,915.8	8,118.4	72,790.71	.....	3,831.60
Wallaceburg.....	7,328.4	39,340.3	263,587.11	36,642.00	14,656.80
Wardsville.....	115.6	485.2	5,040.41	578.00	231.20
Warkworth.....	191.4	722.4	7,795.39	.....	382.80
Wasaga Beach.....	510.4	1,889.6	21,470.14	.....	1,020.80
Waterdown.....	677.9	3,432.0	22,823.07	3,389.50	1,355.80
Waterford.....	693.6	3,078.7	25,361.22	3,468.00	1,387.20
Waterloo.....	10,918.4	52,681.0	304,060.83	54,592.00	21,836.80
Watford.....	719.9	3,057.7	28,751.23	3,599.50	1,439.80
Waubashene.....	204.2	825.6	8,275.18	.....	408.40
Welland.....	11,436.7	59,757.6	356,160.60	57,183.50	22,873.40
Wellesley.....	299.4	1,136.4	10,749.66	1,497.00	598.80
Wellington.....	480.3	2,012.5	20,214.83	.....	960.60
West Lorne.....	824.6	3,357.4	35,953.45	4,123.00	1,649.20
Weston.....	7,123.1	38,984.8	229,154.87	35,615.50	14,246.20
Westport.....	255.2	1,095.6	9,564.51	.....	510.40
Wheatley.....	553.0	2,465.2	24,106.76	2,765.00	1,106.00
Whitby.....	4,886.0	25,588.2	172,740.55	.....	9,772.00
Warton.....	846.9	4,472.0	38,075.48	.....	1,693.80
Williamsburg.....	149.9	685.4	6,882.38	.....	299.80
Winchester.....	810.3	3,686.5	33,675.52	.....	1,620.60
Windermere.....	101.4	406.8	3,936.13	.....	202.80
Windsor.....	68,263.4	366,372.7	2,430,843.33	341,317.00	136,526.80
Wingham.....	1,355.9	7,273.8	61,036.24	.....	2,711.80
Woodbridge.....	1,801.3	9,659.2	62,986.47	9,006.50	3,602.60
Woodstock.....	13,865.3	70,032.0	431,332.67	69,326.50	27,730.60
Woodville.....	156.5	618.8	7,538.26	.....	313.00
Wyoming.....	266.2	955.0	11,169.78	1,331.00	532.40
York Twp.....	44,461.2	253,036.5	1,367,892.64	222,306.00	88,922.40
Zurich.....	279.7	1,082.8	11,558.06	1,398.50	559.40
Ontario Central Reformatory.....	409.1	2,011.4	12,795.67	2,045.50	818.20
Total—Municipalities.....	2,021,442.1	11,027,276.1	65,371,257.35	8,261,813.50	4,042,884.20
Total—Rural power district.....	338,108.4	1,644,539.2	12,666,667.74	1,077,622.50	676,216.80
Total—Companies.....	556,953.2	7,403,661.9	20,423,036.21	5,696,571.50	1,113,906.40
Total—Local distribution systems.....	5,328.6	26,878.2	342,182.76	4,856.50	14,664.27
GRAND TOTAL.....	2,921,832.3	20,102,355.4	98,803,144.06	15,040,864.00	5,847,671.67

## SYSTEM

## COST OF POWER

Ended December 31, 1955

Withdrawal from stabilization of rates reserve	Operation of direct customers' accounts	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed at interim rates	Balance credited or charged	Annual rates on a kilowatt basis	
					Interim	Actual
\$	\$	\$	\$	\$	\$	\$
.....	2,608.76	121,323.69	126,905.69	5,582.00	39.23	37.50
.....	386,696.56	17,760,373.29	18,581,043.46	820,670.17	38.75	37.04
.....	19,511.32	961,136.81	991,971.77	30,834.96	41.00	39.73
525.80	212.01	11,084.55	11,411.64	327.09	43.41	42.16
.....	2,842.54	141,593.23	152,205.27	10,612.04	43.18	40.17
19,218.40	7,749.24	281,998.41	307,494.68	25,496.27	32.00	29.35
1,529.40	616.68	27,027.11	30,053.58	3,026.47	39.30	35.34
1,878.60	757.49	38,697.03	39,695.53	998.50	42.26	41.20
617.80	249.11	11,807.78	12,398.32	590.54	40.14	38.23
452.00	182.26	9,101.84	10,835.75	1,733.91	47.95	40.27
3,831.60	1,544.98	71,245.73	71,389.81	144.08	37.26	37.19
.....	5,909.91	308,976.00	322,216.20	13,240.20	43.97	42.16
.....	93.23	5,756.38	5,982.26	225.88	51.75	49.79
382.80	154.35	7,641.04	7,845.33	204.29	40.99	39.92
1,020.80	411.61	21,058.53	19,438.76	1,619.77	38.09	41.26
.....	546.68	27,021.69	28,472.85	1,451.16	42.00	39.86
.....	559.35	29,657.07	30,283.83	626.76	43.66	42.76
.....	8,805.03	371,684.60	388,376.01	16,691.41	35.57	34.04
.....	580.56	33,209.97	32,806.94	403.03	45.57	46.13
408.40	164.67	8,110.51	9,035.11	924.60	44.25	39.72
.....	9,223.01	426,994.49	440,313.27	13,318.78	38.50	37.34
.....	241.45	12,604.01	13,213.68	609.67	44.13	42.10
960.60	387.33	19,827.50	19,681.39	146.11	40.98	41.28
.....	664.99	41,060.66	42,056.73	996.07	51.00	49.79
.....	5,744.35	273,272.22	284,923.00	11,650.78	40.00	38.36
510.40	205.80	9,358.71	10,207.34	848.63	40.00	36.67
.....	445.96	27,531.80	27,681.61	149.81	50.06	49.79
9,772.00	3,940.26	168,800.29	179,952.33	11,152.04	36.83	34.55
1,693.80	682.97	37,392.51	39,077.90	1,685.39	46.14	44.15
299.80	120.89	6,761.49	7,036.36	274.87	46.94	45.11
1,620.60	653.46	33,022.06	32,628.49	393.57	40.27	40.75
202.80	81.77	3,854.36	4,021.45	167.09	39.66	38.01
.....	55,050.32	2,853,636.81	2,892,156.63	38,519.82	42.37	41.80
.....	1,093.45	59,942.79	58,306.87	1,635.92	43.00	44.21
2,711.80	1,452.64	74,142.93	79,822.86	5,679.93	44.31	41.16
.....	11,181.52	517,208.25	541,782.74	24,574.49	39.07	37.30
313.00	126.21	7,412.05	7,271.44	140.61	46.46	47.36
.....	214.68	12,818.50	12,862.27	43.77	48.32	48.15
.....	35,855.28	1,643,265.76	1,711,755.23	68,489.47	38.50	36.96
.....	225.56	13,290.40	13,598.28	307.88	48.62	47.52
.....	329.92	15,329.45	15,108.45	221.00	36.93	37.47
738,158.80	1,630,171.22	75,307,625.03	78,937,871.16	3,630,246.13	.....	.....
245,167.80	272,664.05	13,902,675.19	13,902,675.19	.....	.....	.....
.....	1,872,169.13	29,105,683.24	29,105,683.24	.....	.....	.....
.....	30,666.14	392,369.67	392,369.67	.....	.....	.....
983,326.60	.....	118,708,353.13	122,338,599.26	3,630,246.13	.....	.....

## Notes on Cost of Power Statement

## SOUTHERN ONTARIO SYSTEM

1. The total of \$98,803,144.06 shown under the heading "Power purchased, operating costs, and net fixed charges" includes the following items of cost shown in the statement of operations:

Cost of power purchased .....	\$ 11,546,537
Interchange of power with Northern Ontario Properties .....	1,417,966
Operation, maintenance and administrative expenses .....	33,336,631
Interest .....	35,599,369
Depreciation .....	9,228,704
Sinking fund provision .....	10,563,840
Credit resulting from matured sinking fund .....	53,971
	<hr/>
	\$ 98,803,144
	<hr/>

Interchange of power between the Southern Ontario System and the Northern Ontario Properties shown in the statement of operations as a deduction amounting to \$1,417,966 represents the cost of 553,228,000 kilowatt-hours of energy transferred to the Northern Ontario Properties less the cost of 3,536,000 kilowatt-hours of energy transferred to the Southern Ontario System. The cost was determined on the basis of the average annual cost of energy generated and purchased, and the cost of the facilities used for the interchange. This energy is not included in the cost of power statement in the total of energy supplied during the year—20,102,355,400 kilowatt-hours.

The credit of \$53,971 resulting from matured sinking fund consists of a principal amount of \$11,247 and interest at 4% amounting to \$42,724.

2. Frequency standardization interest and portion of cost written off are as follows:

Interest .....	\$ 4,802,917.15
Portion of cost written off .....	10,237,946.85
	<hr/>
	\$ 15,040,864.00
	<hr/>

This represents a charge to all customers in the Niagara Division (except certain companies which will not be standardized at 60 cycles) at the rate of \$5 per kilowatt on the average monthly peak load supplied amounting to \$10,877,196.50 plus an amount equal to the revenue from the export of 60-cycle surplus energy amounting to \$4,163,667.50. The latter amount is included in the \$5,696,571.50 shown as charged to companies.

3. The provision for stabilization of rates and contingencies amounting to \$5,847,671.67 consists of a charge of \$2 per kilowatt on the average monthly peak load supplied to all customers in the Southern Ontario System plus a further charge of \$4,007.07 to local systems based on the cost of the distribution facilities.

4. The withdrawal of \$983,326.60 from stabilization of rates reserve was credited to all municipal customers and the rural power district in the Eastern Ontario and Georgian Bay Divisions at the rate of \$2 per kilowatt of the average monthly peak load supplied.

5. The method used in 1954 of allocating the cost of power supplied to each customer was followed in 1955 with the following exception:—

The final step in the pooling of bulk transmission costs was effected in 1955 with the result that all loads in the Southern Ontario System shared in these costs on a kilowatt basis. In 1954 approximately two-thirds of the bulk transmission costs were allocated on this basis.

6. The average peak load supplied in the year as shown in the cost of power statement represents primary power only. In addition to this, excess energy available from time to time is sold on a kilowatt-hour basis for export to the United States and to customers in Ontario for the operation of electric steam-boilers. Such energy is included in the total energy supplied to companies. As it is classed as secondary power, however, it is not included in the companies' average monthly peak load.

The net revenue from this source was as follows:

	<i>60-cycle surplus energy exported</i>	<i>Other surplus energy</i>	<i>Total</i>
Revenue less export tax.....	\$4,169,682.99	\$2,153,069.33	\$6,322,752.32
Less costs related thereto.....	6,015.49	25,122.54	31,138.03
Net revenue.....	<u>\$4,163,667.50</u>	<u>\$2,127,946.79</u>	<u>\$6,291,614.29</u>

The net revenue from the sale of 60-cycle surplus energy exported of \$4,163,667.50 is included in "Frequency standardization interest and portion of cost written off", (see Note 2 above). The net revenue from the sale of other surplus energy of \$2,127,946.79 has been included in the amount billed to companies and, in consequence, the profit of \$1,872,169.13 on operation of direct customers' accounts is after taking such revenue into account.

7. Taxes of \$961,137 paid on power and energy exported have been deducted from the revenue from power supplied to companies. In 1954 export taxes amounting to \$425,906 were included in operation, maintenance and administrative expenses rather than as a deduction from revenue.

**SOUTHERN ONTARIO SYSTEM**  
**STATEMENT OF SINKING FUND EQUITY**  
**as at December 31, 1955**

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1955	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1955	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1955		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Acton.....	235,149.05	23,184.10	233.90	258,567.05	1,244.06	49.76	13.10
Ailsa Craig.....	38,409.08	2,694.87		41,103.95			
Alexandria.....	82,698.81	8,540.53		91,239.34			
Alfred.....		674.21		674.21			
Alliston.....	78,178.47	8,791.71		86,970.18			
Almonte.....	20,603.73	5,007.89		25,611.62			
Alvinston.....	38,182.16	2,530.79		40,712.95			
Amherstburg.....	180,870.15	18,838.61		199,708.76			
Ancaster Twp.....	62,995.52	8,458.63		71,454.15			
Apple Hill.....	8,730.60	692.30		9,422.90			
Arkona.....	19,338.66	1,826.16		21,164.82			
Arnprior.....	90,203.65	19,585.60		109,789.25			
Arthur.....	52,077.61	4,453.08		56,530.69			
Athens.....	20,375.43	2,041.63		22,417.06			
Aurora.....	75,159.68	14,074.03		89,233.71			
Aylmer.....	154,448.90	19,158.86	357.48	173,965.24			
Ayr.....	44,992.67	3,955.60		48,948.27	502.37	20.09	5.29
Baden.....	86,089.11	4,963.68		91,052.79	2,226.02	89.04	23.44
Bancroft.....	5,042.58	1,864.96		6,907.54			
Barrie.....	522,306.84	62,100.57		584,407.41			
Barry's Bay.....	3,115.31	1,269.90		4,385.21			
Bath.....	8,520.47	1,168.04		9,688.51			
Beachville.....	119,664.46	10,329.16		129,993.62	2,645.77	105.83	27.86
Beamsville.....	40,224.71	6,750.77		46,975.48			
Beaverton.....	56,598.03	5,741.89		62,339.92			
Beeton.....	39,008.09	3,058.13		42,066.22			
Belle River.....	37,060.93	4,019.96		41,080.89			
Belleville.....	692,811.59	86,294.35		779,105.94			
Blenheim.....	110,890.73	9,657.62		120,548.35			
Bloomfield.....	21,541.93	2,574.26		24,116.19			
Blyth.....	32,357.89	3,395.17		35,753.06			
Bobcaygeon.....	9,682.68	2,576.65		12,259.33			
Bolton.....	48,908.74	4,442.14		53,350.88	396.96	15.88	4.18
Bothwell.....	43,245.99	3,416.77		46,662.16	91.17	3.65	.96
Bowmanville.....	266,626.84	32,223.08		298,849.92			
Bradford.....	59,283.83	7,291.41		66,575.24			
Braeside.....	7,497.34	1,825.49		9,322.83			
Brampton.....	503,093.01	48,345.56		551,438.57	8,811.02	352.44	92.78
Brantford.....	2,931,198.56	257,146.88	2,499.75	3,190,845.19	21,954.42	878.18	231.18
Brantford Twp.....	9,115.69	858.66		9,974.35			

# SOUTHERN ONTARIO SYSTEM

## STATEMENT OF SINKING FUND EQUITY

as at December 31, 1955

(continued)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1955	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1955	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1955		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Brechin.....	17,399.41	1,174.68	.....	18,574.09	.....	.....	.....
Bridgeport.....	26,172.03	3,519.67	.....	29,691.70	.....	.....	.....
Brigden.....	30,145.87	2,044.72	.....	32,190.59	.....	.....	.....
Brighton.....	49,913.16	6,771.27	.....	56,684.43	.....	.....	.....
Brockville.....	613,714.04	70,084.62	.....	683,798.66	.....	.....	.....
Bronte.....	5,930.98	3,224.08	.....	9,155.06	.....	.....	.....
Brussels.....	40,429.37	3,842.00	.....	44,271.37	.....	.....	.....
Burford.....	43,139.36	4,047.25	.....	47,186.61	207.03	8.28	2.18
Burgessville.....	14,877.54	1,304.47	.....	16,182.01	.....	.....	.....
Burk's Falls.....	4,447.14	1,836.05	.....	6,283.19	.....	.....	.....
Burlington.....	87,147.41	24,236.70	.....	111,384.11	.....	.....	.....
Caledonia.....	66,472.34	5,864.41	.....	72,336.75	595.44	23.82	6.27
Campbellville.....	9,033.61	886.28	.....	9,919.89	.....	.....	.....
Cannington.....	43,854.04	4,222.63	.....	48,076.67	.....	.....	.....
Cardinal.....	31,223.18	4,707.90	.....	35,931.08	.....	.....	.....
Carleton Place.....	239,016.01	22,410.90	.....	261,426.91	.....	.....	.....
Casselman.....	2,234.43	1,778.54	.....	4,012.97	.....	.....	.....
Cayuga.....	30,155.20	2,428.81	.....	32,584.01	.....	.....	.....
Chatham.....	1,184,412.51	105,420.79	.....	1,289,833.30	3,536.56	141.46	37.24
Chatsworth.....	15,622.32	1,676.41	.....	17,298.73	.....	.....	.....
Chesley.....	103,465.00	8,875.72	.....	112,340.72	.....	.....	.....
Chesterville.....	73,164.19	7,237.65	.....	80,401.84	.....	.....	.....
Chippawa.....	49,821.95	4,746.53	.....	54,568.48	.....	.....	.....
Clifford.....	23,386.63	2,147.50	.....	25,534.13	.....	.....	.....
Clinton.....	139,167.62	13,223.67	.....	152,391.29	1,787.27	71.49	18.82
Cobden.....	14,020.94	2,350.25	.....	16,371.19	.....	.....	.....
Cobourg.....	239,583.15	42,260.52	.....	281,843.67	.....	.....	.....
Colborne.....	24,640.62	3,924.71	.....	28,565.33	.....	.....	.....
Coldwater.....	37,051.95	2,899.28	.....	39,951.23	.....	.....	.....
Collingwood.....	399,286.47	36,053.09	.....	435,339.56	.....	.....	.....
Comber.....	45,235.41	3,045.75	.....	48,281.16	170.94	6.84	1.80
Cookstown.....	16,944.24	1,828.71	.....	18,772.95	.....	.....	.....
Cottam.....	15,206.92	1,429.33	.....	16,636.25	.....	.....	.....
Courtright.....	15,569.66	1,239.07	.....	16,808.73	.....	.....	.....
Creemore.....	32,571.78	3,037.33	.....	35,609.11	.....	.....	.....
Dashwood.....	24,603.10	2,019.44	.....	26,622.54	.....	.....	.....
Delaware.....	11,861.55	1,306.16	.....	13,167.71	74.07	2.96	.78
Delhi.....	51,058.92	9,379.03	.....	60,437.95	.....	.....	.....
Deseronto.....	32,806.25	4,922.47	.....	37,728.72	.....	.....	.....
Dorchester.....	22,437.97	2,065.88	.....	24,503.85	208.93	8.36	2.20

**SOUTHERN ONTARIO SYSTEM**  
**STATEMENT OF SINKING FUND EQUITY**  
**as at December 31, 1955**  
**(continued)**

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1955	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1955	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1955		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Drayton.....	34,825.29	2,613.02	.....	37,438.31	.....	.....	.....
Dresden.....	94,532.89	8,214.21	.....	102,747.10	709.40	28.38	7.47
Drumbo.....	19,629.24	1,627.01	.....	21,256.25	337.13	13.49	3.55
Dublin.....	14,743.13	1,336.30	.....	16,079.43	.....	.....	.....
Dundalk.....	38,428.56	3,764.74	.....	42,193.30	.....	.....	.....
Dundas.....	408,277.55	35,550.53	.....	443,828.08	12,781.58	511.26	134.59
Dunnville.....	201,841.84	21,401.90	.....	223,243.74	.....	.....	.....
Durham.....	84,687.66	7,995.10	.....	92,682.76	.....	.....	.....
Dutton.....	51,684.05	3,612.90	.....	55,296.95	121.56	4.86	1.28
East York Twp.....	1,191,866.43	170,398.49	.....	1,362,264.92	.....	.....	.....
Eganville.....	1,124.35	1,009.55	.....	2,133.90	.....	.....	.....
Elmira.....	226,399.12	20,655.98	.....	247,055.10	1,536.56	61.46	16.18
Elmvale.....	40,823.14	3,687.42	.....	44,510.56	.....	.....	.....
Elmwood.....	13,627.78	1,288.06	.....	14,915.84	.....	.....	.....
Elora.....	99,968.46	7,310.52	.....	107,278.98	894.59	35.78	9.42
Embro.....	31,217.08	2,546.48	.....	33,763.56	322.89	12.92	3.40
Erieau.....	24,668.55	2,478.42	.....	27,146.97	.....	.....	.....
Erie Beach.....	4,810.04	381.46	.....	5,191.50	.....	.....	.....
Erin.....	4,360.92	1,799.03	.....	6,159.95	.....	.....	.....
Essex.....	102,360.30	9,943.49	.....	112,303.79	.....	.....	.....
Etobicoke Twp.....	1,271,410.06	278,787.55	9,610.35	1,559,807.96	.....	.....	.....
Exeter.....	133,950.28	12,787.71	.....	146,737.99	.....	.....	.....
Fergus.....	205,474.05	19,762.13	.....	225,236.18	1,209.88	48.40	12.74
Finch.....	15,119.17	1,439.81	.....	16,558.98	.....	.....	.....
Flesherton.....	18,263.31	1,997.93	.....	20,261.24	.....	.....	.....
Fonthill.....	29,283.73	4,619.78	.....	33,903.51	.....	.....	.....
Forest.....	105,071.71	9,425.71	.....	114,497.42	.....	.....	.....
Forest Hill.....	671,348.38	71,067.87	.....	742,416.25	.....	.....	.....
Frankford.....	6,544.42	2,393.75	.....	8,938.17	.....	.....	.....
Galt.....	1,609,385.95	135,699.06	.....	1,745,085.01	24,000.95	960.04	252.73
Georgetown.....	317,462.61	30,276.17	3,007.66	350,746.44	4,449.19	177.97	46.85
Glencoe.....	54,897.21	3,942.70	.....	58,839.91	.....	.....	.....
Goderich.....	350,379.05	30,850.60	.....	381,229.65	3,761.63	150.47	39.61
Grand Bend.....	1,572.07	2,899.76	8,063.85	12,535.68	.....	.....	.....
Grand Valley.....	35,531.95	3,383.20	.....	38,915.15	.....	.....	.....
Granton.....	19,644.45	1,246.27	.....	20,890.72	.....	.....	.....
Gravenhurst.....	119,852.16	14,694.82	.....	134,546.98	.....	.....	.....
Grimsby.....	52,904.96	10,770.54	.....	63,675.50	.....	.....	.....
Guelph.....	1,867,369.89	163,497.65	4,803.06	2,035,670.60	30,298.20	1,211.93	319.04
Hagersville.....	199,427.95	15,108.24	.....	214,536.19	1,643.87	65.75	17.31

# SOUTHERN ONTARIO SYSTEM

## STATEMENT OF SINKING FUND EQUITY

as at December 31, 1955

(continued)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1955	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1955	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1955		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Hamilton .....	16,235,437.04	1,587,782.73	406.12	17,823,625.89	118,944.92	4,757.80	1,252.49
Hanover .....	234,050.59	22,278.85	.....	256,329.44	.....	.....	.....
Harriston .....	99,833.29	8,781.40	.....	108,614.69	.....	.....	.....
Harrow .....	88,432.94	8,520.01	.....	96,952.95	.....	.....	.....
Hastings .....	16,147.56	2,085.83	.....	18,233.39	.....	.....	.....
Havelock .....	34,854.12	3,140.89	.....	37,995.01	.....	.....	.....
Hawkesbury .....	1,375.32	7,081.15	.....	8,456.47	.....	.....	.....
Hensall .....	49,100.51	4,557.98	.....	53,658.49	.....	.....	.....
Hespeler .....	367,576.30	36,712.49	.....	404,288.79	4,848.05	193.92	51.05
Highgate .....	24,705.94	1,800.86	.....	26,506.80	.....	.....	.....
Holstein .....	7,336.26	686.85	.....	8,023.11	.....	.....	.....
Huntsville .....	187,283.30	18,424.59	.....	205,707.89	.....	.....	.....
Ingersoll .....	515,935.92	39,976.75	.....	555,912.67	10,344.73	413.79	108.93
Iroquois .....	18,154.69	3,583.21	.....	21,737.90	.....	.....	.....
Jarvis .....	40,485.94	2,912.63	.....	43,398.57	.....	.....	.....
Kemptville .....	68,258.07	8,194.41	.....	76,452.48	.....	.....	.....
Kincardine .....	134,578.17	13,743.48	.....	148,321.65	.....	.....	.....
Kingston .....	919,028.47	162,975.39	.....	1,082,003.86	.....	.....	.....
Kingsville .....	123,887.97	11,722.70	.....	135,610.67	.....	.....	.....
Kirkfield .....	8,468.12	663.18	.....	9,131.30	.....	.....	.....
Kitchener .....	3,861,732.44	337,603.14	13,542.54	4,212,878.12	39,310.54	1,572.42	413.94
Lakefield .....	51,968.05	8,406.00	.....	60,374.05	.....	.....	.....
Lambeth .....	32,298.23	4,307.90	.....	36,606.13	377.02	15.08	3.97
Lanark .....	19,385.00	1,912.27	.....	21,297.27	.....	.....	.....
Lancaster .....	15,908.65	1,389.28	.....	17,297.93	.....	.....	.....
La Salle .....	51,933.57	6,318.82	.....	58,252.39	.....	.....	.....
Leamington .....	304,300.21	31,924.33	.....	336,224.54	.....	.....	.....
Lindsay .....	381,981.56	43,104.62	.....	425,086.18	.....	.....	.....
Listowel .....	236,591.16	19,699.66	.....	256,290.82	.....	.....	.....
London .....	6,533,725.09	491,440.25	887.92	7,026,053.26	99,146.25	3,965.85	1,044.01
London Twp. ....	76,263.37	8,969.11	.....	85,232.48	.....	.....	.....
Long Branch .....	163,459.10	27,768.42	.....	191,227.52	.....	.....	.....
L'Orignal .....	1,019.54	1,052.84	.....	2,072.38	.....	.....	.....
Lucan .....	49,801.66	4,403.20	.....	54,204.86	524.22	20.97	5.52
Lucknow .....	61,911.22	5,109.14	.....	67,020.36	.....	.....	.....
Lynden .....	31,905.57	2,267.16	.....	34,172.73	.....	.....	.....
Madoc .....	34,169.37	4,782.15	.....	38,951.52	.....	.....	.....
Magnetawan .....	811.00	355.77	.....	1,166.77	.....	.....	.....
Markdale .....	32,196.37	3,619.09	.....	35,815.46	.....	.....	.....
Markham .....	63,798.56	8,116.02	733.00	72,647.58	.....	.....	.....

**SOUTHERN ONTARIO SYSTEM**  
**STATEMENT OF SINKING FUND EQUITY**  
**as at December 31, 1955**  
**(continued)**

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1955	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1955	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1955		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Marmora.....	22,065.94	3,492.05	.....	25,557.99	.....	.....	.....
Martintown.....	6,686.92	766.31	.....	7,453.23	.....	.....	.....
Maxville.....	26,808.46	2,695.06	.....	29,503.52	.....	.....	.....
Meaford.....	112,049.67	14,426.39	.....	126,476.06	.....	.....	.....
Merlin.....	29,109.60	2,242.41	.....	31,352.01	.....	.....	.....
Merrickville.....	4,943.47	1,661.97	.....	6,605.44	.....	.....	.....
Merritton.....	743,258.38	92,575.00	.....	835,833.38	.....	.....	.....
Midland.....	602,087.41	47,527.87	.....	649,615.28	.....	.....	.....
Mildmay.....	16,967.78	2,320.06	.....	19,287.84	.....	.....	.....
Millbrook.....	10,337.33	2,093.29	.....	12,430.62	.....	.....	.....
Milton.....	274,225.45	24,531.78	.....	298,757.23	3,988.60	159.54	42.00
Milverton.....	107,274.81	7,934.41	.....	115,209.22	.....	.....	.....
Mimico.....	417,815.49	40,618.49	.....	458,433.98	2,150.05	86.00	22.64
Mitchell.....	129,976.26	11,175.91	.....	141,152.17	2,084.52	83.38	21.95
Moorefield.....	17,027.45	1,415.39	.....	18,442.84	.....	.....	.....
Morrisburg.....	27,631.30	5,878.93	.....	33,510.23	.....	.....	.....
Mount Brydges.....	21,592.80	1,987.07	.....	23,579.87	350.42	14.02	3.69
Mount Forest.....	101,714.45	10,340.25	.....	112,054.70	.....	.....	.....
Napanee.....	157,657.21	19,767.75	.....	177,424.96	.....	.....	.....
Neustadt.....	16,418.41	1,829.18	.....	18,247.59	.....	.....	.....
Newboro.....	1,239.53	332.36	.....	1,571.89	.....	.....	.....
Newburgh.....	2,620.80	930.58	.....	3,551.38	.....	.....	.....
Newbury.....	11,802.35	913.93	.....	12,716.28	.....	.....	.....
Newcastle.....	20,333.03	4,040.20	.....	24,373.23	.....	.....	.....
New Hamburg.....	131,759.11	10,193.51	.....	141,952.62	1,818.61	72.74	19.15
Newmarket.....	89,513.24	19,238.02	.....	108,751.26	.....	.....	.....
New Toronto.....	1,396,093.50	128,013.12	.....	1,524,106.62	659.07	26.36	6.94
Niagara.....	101,098.63	10,605.02	.....	111,703.65	.....	.....	.....
Niagara Falls.....	1,475,898.17	121,610.19	.....	1,597,508.36	.....	.....	.....
North York Twp.....	1,470,202.24	402,578.80	4,902.10	1,877,683.14	.....	.....	.....
Norwich.....	95,914.14	7,529.10	.....	103,443.24	1,613.49	64.54	16.99
Norwood.....	23,261.81	3,042.63	.....	26,304.44	.....	.....	.....
Oakville.....	89,786.36	30,660.36	.....	120,446.72	.....	.....	.....
Oil Springs.....	56,491.73	3,378.51	.....	59,870.24	.....	.....	.....
Omeme.....	12,267.88	2,048.35	.....	14,316.23	.....	.....	.....
Orangeville.....	141,099.06	15,350.10	.....	156,449.16	.....	.....	.....
Orillia.....	7,799.88	13,024.36	.....	20,824.24	.....	.....	.....
Orono.....	9,315.88	1,906.25	.....	11,222.13	.....	.....	.....
Oshawa.....	2,051,163.11	261,386.73	.....	2,312,549.84	.....	.....	.....
Ottawa.....	1,862,020.32	455,002.34	.....	2,317,022.66	.....	.....	.....
Otterville.....	25,192.98	2,296.06	.....	27,489.04	.....	.....	.....
Owen Sound.....	727,615.71	72,983.68	.....	800,599.39	.....	.....	.....
Paisley.....	32,064.63	3,081.03	.....	35,145.66	.....	.....	.....
Palmerston.....	117,096.73	8,903.66	.....	126,000.39	.....	.....	.....
Paris.....	303,757.14	23,149.29	.....	326,906.43	5,869.90	234.80	61.81

**SOUTHERN ONTARIO SYSTEM**  
**STATEMENT OF SINKING FUND EQUITY**  
**as at December 31, 1955**  
**(continued)**

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1955	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1955	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1955		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Parkhill.....	56,281.54	5,210.61	.....	61,492.15	.....	.....	.....
Parry Sound.....	19,099.41	6,543.04	.....	25,642.45	.....	.....	.....
Penetanguishene.....	178,103.79	16,113.55	.....	194,217.34	.....	.....	.....
Perth.....	219,904.28	22,936.26	.....	242,840.54	.....	.....	.....
Peterborough.....	1,352,153.19	185,908.80	2,879.51	1,540,941.50	.....	.....	.....
Petrolia.....	252,035.44	17,405.09	.....	269,440.53	.....	.....	.....
Picton.....	184,517.47	20,390.09	.....	204,907.56	.....	.....	.....
Plattsville.....	29,962.88	3,008.08	.....	32,970.96	665.72	26.63	7.01
Point Edward.....	221,187.28	22,519.03	.....	243,706.31	.....	.....	.....
Port Burwell.....	.....	360.99	4,907.36	5,268.35	.....	.....	.....
Port Colborne.....	357,693.50	33,890.88	.....	391,584.38	.....	.....	.....
Port Credit.....	146,605.82	23,247.52	.....	169,853.34	985.75	39.43	10.38
Port Dalhousie.....	117,543.09	11,443.02	.....	128,986.11	.....	.....	.....
Port Dover.....	86,078.36	9,322.98	.....	95,401.34	.....	.....	.....
Port Elgin.....	58,771.95	7,327.10	.....	66,099.05	.....	.....	.....
Port Hope.....	274,056.57	40,795.91	.....	314,852.48	.....	.....	.....
Port McNicoll.....	30,257.43	5,162.32	.....	35,419.75	.....	.....	.....
Port Perry.....	57,374.50	6,529.16	.....	63,903.66	.....	.....	.....
Port Rowan.....	21,347.72	1,922.84	.....	23,270.56	.....	.....	.....
Port Stanley.....	117,697.16	9,276.38	.....	126,973.54	1,660.02	66.40	17.48
Prescott.....	159,911.45	18,631.29	.....	178,542.74	.....	.....	.....
Preston.....	690,513.72	54,968.50	.....	745,482.22	15,124.41	604.98	159.26
Priceville.....	2,742.62	308.02	.....	3,050.64	.....	.....	.....
Princeton.....	26,867.71	2,022.21	.....	28,889.92	123.46	4.94	1.30
Queenston.....	19,768.40	1,954.05	.....	21,722.45	.....	.....	.....
Renfrew.....	47,044.02	13,450.15	.....	60,494.17	.....	.....	.....
Richmond.....	12,715.66	1,739.19	.....	14,454.85	.....	.....	.....
Richmond Hill.....	82,444.99	14,762.86	.....	97,207.85	.....	.....	.....
Ridgetown.....	114,302.62	9,437.68	.....	123,740.30	.....	.....	.....
Ripley.....	23,328.01	2,083.98	.....	25,411.99	.....	.....	.....
Riverside.....	259,381.37	30,646.94	.....	290,028.31	.....	.....	.....
Rockland.....	1,289.79	2,487.92	.....	3,777.71	.....	.....	.....
Rockwood.....	30,965.19	2,802.49	.....	33,767.68	538.46	21.54	5.67
Rodney.....	37,751.33	3,363.12	.....	41,114.45	.....	.....	.....
Rosseau.....	10,736.74	755.60	.....	11,492.34	.....	.....	.....
Russell.....	16,319.76	1,454.82	.....	17,774.58	.....	.....	.....
St. Catharines.....	2,327,881.72	234,300.05	.....	2,562,181.77	.....	.....	.....
St. Clair Beach.....	20,731.14	2,286.72	.....	23,017.86	.....	.....	.....
St. George.....	37,112.75	2,673.67	.....	39,786.42	123.46	4.94	1.30
St. Jacobs.....	47,711.80	3,896.14	.....	51,607.94	.....	.....	.....
St. Mary's.....	338,084.58	24,063.83	.....	362,148.41	5,385.57	215.42	56.71
St. Thomas.....	1,307,835.81	97,765.85	.....	1,405,601.66	26,692.31	1,067.69	281.07
Sarnia.....	1,874,793.91	216,836.85	.....	2,091,630.76	.....	.....	.....
Scarborough Twp.....	1,086,570.70	311,501.43	.....	1,398,072.13	.....	.....	.....
Seaforth.....	163,124.12	12,640.69	.....	175,764.81	3,908.83	156.35	41.16

**SOUTHERN ONTARIO SYSTEM**  
**STATEMENT OF SINKING FUND EQUITY**  
**as at December 31, 1955**  
**(continued)**

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1955	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1955	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1955		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Shelburne .....	56,646.43	5,867.61	.....	62,514.04	.....	.....	.....
Simcoe .....	345,544.95	33,749.27	.....	379,294.22	962.01	38.48	10.13
Smith's Falls .....	337,837.10	37,773.38	.....	375,610.48	.....	.....	.....
Smithville .....	17,606.11	2,851.64	.....	20,457.75	.....	.....	.....
Southampton .....	57,083.21	6,715.67	.....	63,798.88	.....	.....	.....
Springfield .....	22,593.67	1,640.62	.....	24,234.29	.....	.....	.....
Stamford Twp. ....	357,745.77	57,950.17	.....	415,695.94	.....	.....	.....
Stayner .....	50,670.18	5,779.56	.....	56,449.74	.....	.....	.....
Stirling .....	34,073.61	4,443.00	.....	38,516.61	.....	.....	.....
Stoney Creek .....	23,464.36	9,347.53	.....	32,811.89	.....	.....	.....
Stouffville .....	61,412.16	7,937.43	.....	69,349.59	.....	.....	.....
Stratford .....	1,492,827.89	109,418.76	.....	1,602,246.65	17,595.44	703.82	185.28
Strathroy .....	247,422.68	20,595.46	.....	268,018.14	2,090.21	83.61	22.01
Streetsville .....	33,505.23	7,586.09	.....	41,091.32	.....	.....	.....
Sunderland .....	27,728.54	2,416.05	.....	30,144.59	.....	.....	.....
Sundridge .....	1,780.56	1,038.28	.....	2,818.84	.....	.....	.....
Sutton .....	57,118.20	6,080.27	.....	63,198.47	.....	.....	.....
Swansea .....	302,475.63	30,781.26	.....	333,256.89	.....	.....	.....
Tara .....	24,709.48	2,272.51	.....	26,981.99	.....	.....	.....
Tavistock .....	120,265.54	8,708.30	.....	128,973.84	.....	.....	.....
Tecumseh .....	82,705.06	8,602.31	.....	91,307.37	.....	.....	.....
Teeswater .....	36,359.96	3,507.71	.....	39,867.67	.....	.....	.....
Thamesford .....	47,223.10	3,877.01	.....	51,100.11	415.95	16.64	4.38
Thamesville .....	49,932.29	4,665.07	.....	54,597.36	79.77	3.19	.84
Thedford .....	29,025.88	2,591.83	.....	31,617.71	.....	.....	.....
Thornbury .....	8,772.43	2,297.40	.....	11,069.83	.....	.....	.....
Thorndale .....	22,943.55	1,780.30	.....	24,723.85	326.69	13.07	3.44
Thornton .....	9,060.77	756.25	.....	9,817.02	.....	.....	.....
Thorold .....	351,073.51	46,052.32	.....	397,125.83	.....	.....	.....
Tilbury .....	153,644.17	13,945.62	.....	167,589.79	641.98	25.68	6.76
Tillsonburg .....	257,981.11	23,987.68	.....	281,968.79	3,939.22	157.57	41.48
Toronto .....	51,106,139.53	4,076,140.18	.....	55,182,279.71	487,830.01	19,513.20	5,136.85
Toronto Twp. ....	558,489.43	132,003.53	.....	690,492.96	1,560.30	62.41	16.43
Tottenham .....	29,652.82	2,541.43	.....	32,194.25	.....	.....	.....
Trafalgar Twp. ....	74,465.79	19,076.51	.....	93,542.30	.....	.....	.....
Trenton .....	385,060.76	55,638.65	.....	440,699.41	.....	.....	.....
Tweed .....	42,610.70	5,278.77	.....	47,889.47	.....	.....	.....
Uxbridge .....	64,268.18	7,348.24	.....	71,616.42	.....	.....	.....
Vankleek Hill .....	1,534.58	1,549.59	.....	3,084.17	.....	.....	.....
Victoria Harbour ..	18,587.08	1,857.81	.....	20,444.89	.....	.....	.....

**SOUTHERN ONTARIO SYSTEM**  
**STATEMENT OF SINKING FUND EQUITY**  
**as at December 31, 1955**  
**(concluded)**

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon				Matured portion of sinking fund at Jan. 1, 1955	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1955	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1955		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Walkerton.....	95,682.70	13,081.22	.....	108,763.92	.....	.....	.....
Wallaceburg.....	634,655.97	60,493.01	.....	695,148.98	2,106.36	84.25	22.18
Wardsville.....	11,521.27	1,108.92	.....	12,630.19	.....	.....	.....
Warkworth.....	13,215.07	1,508.40	.....	14,723.47	.....	.....	.....
Wasaga Beach.....	2,127.65	2,570.76	.....	4,698.41	.....	.....	.....
Waterdown.....	59,653.41	5,399.95	.....	65,053.36	1,119.66	44.79	11.79
Waterford.....	85,720.47	6,724.77	.....	92,445.24	378.92	15.16	3.99
Waterloo.....	804,087.75	75,110.84	.....	879,198.59	10,488.13	419.53	110.44
Watford.....	73,045.22	6,598.79	.....	79,644.01	.....	.....	.....
Waubashene.....	15,658.66	1,622.02	.....	17,280.68	.....	.....	.....
Welland.....	1,001,156.24	88,173.12	.....	1,089,329.36	16,702.75	668.11	175.88
Wellesley.....	39,591.30	2,990.59	.....	42,581.89	.....	.....	.....
Wellington.....	34,817.00	3,915.31	.....	38,732.31	.....	.....	.....
West Lorne.....	74,313.51	7,671.84	.....	81,985.35	.....	.....	.....
Weston.....	678,175.75	58,267.69	.....	736,443.44	3,175.69	127.03	33.44
Westport.....	18,710.51	1,963.07	.....	20,673.58	.....	.....	.....
Wheatley.....	46,608.24	4,913.50	.....	51,521.74	.....	.....	.....
Whitby.....	184,152.63	30,539.00	.....	214,691.63	.....	.....	.....
Warton.....	56,707.19	6,853.48	.....	63,560.67	.....	.....	.....
Williamsburg.....	17,179.99	1,522.06	.....	18,702.05	.....	.....	.....
Winchester.....	60,656.94	6,628.42	.....	67,285.36	.....	.....	.....
Windsor.....	8,797.12	833.25	.....	9,630.37	.....	.....	.....
Wingham.....	8,327,631.97	659,100.71	.....	8,986,732.68	28,851.85	1,154.07	303.81
Woodbridge.....	123,555.68	12,236.52	.....	135,792.20	.....	.....	.....
Woodstock.....	111,134.41	12,796.71	.....	123,931.12	398.87	15.95	4.20
Woodville.....	1,162,135.89	105,127.99	.....	1,267,263.88	15,678.06	627.11	165.09
Wyoming.....	24,262.05	1,843.80	.....	26,105.85	.....	.....	.....
York Twp.....	24,381.49	2,381.92	.....	26,763.41	.....	.....	.....
Zurich.....	2,499,765.70	289,747.74	.....	2,789,513.44	.....	.....	.....
	35,674.50	2,884.71	.....	38,559.21	.....	.....	.....
Total—Municipalities....	150,686,859.89	14,876,424.41	56,834.60	165,620,118.90	1,068,099.71	42,723.99	11,247.09
Rural power district.....	22,176,866.58	3,400,389.09	56,834.60	25,520,421.07	.....	.....	.....
Administrative and service buildings and equipment	2,141,242.44	267,327.23	.....	2,408,569.67	.....	.....	.....
Grand Total.....	175,004,968.91	18,544,140.73 (See note)	.....	193,549,109.64	1,068,099.71	42,723.99	11,247.09

NOTE—The net provision and interest credited during the year consist of the following amounts shown in the statement of sinking fund reserve:—

Interest.....	\$ 7,000,198.76
Provision—direct.....	11,416,235.52
—indirect.....	181,677.53
	\$18,598,111.81
Less credits resulting from matured sinking funds.....	53,971.08
	\$18,544,140.73

## NORTHERN ONTARIO

## FIXED

## Statement of Changes During

Property	Balance in service at January 1, 1955	Changes during	
		Placed in service	Equipment relocated and reclassified
<b>Power System</b>	\$	\$	\$
GENERATING STATIONS			
NORTHEASTERN DIVISION			
Abitibi River			
Abitibi Canyon.....	19,119,157	73,512	.....
Mississagi River			
George W. Rayner.....	18,453,712	.....	.....
Other properties.....	21,540,357	878,081	48,968
	59,113,226	951,593	48,968
NORTHWESTERN DIVISION			
Nipigon River			
Pine Portage.....	31,765,140	105,802	.....
Cameron Falls.....	10,500,149	37,621	.....
Alexander.....	7,281,701	487,626	8,850
Aguasabon River			
Aguasabon.....	12,699,764	.....	.....
English River			
Manitou Falls.....	.....	.....	.....
Other properties.....	9,722,650	116,611	26,220
	71,969,404	747,660	17,370
Total generating stations.....	131,082,630	1,699,253	31,598
TRANSFORMER STATIONS			
Northeastern Division.....	13,887,420	2,378,611	96,354
Northwestern Division.....	4,685,238	1,736,182	36,468
Total transformer stations.....	18,572,658	4,114,793	59,886
TRANSMISSION LINES			
Northeastern Division.....	21,298,542	1,408,295	43,146
Northwestern Division.....	15,554,891	6,546,442	.....
Total transmission lines.....	36,853,433	7,954,737	43,146
LOCAL SYSTEMS			
Northeastern Division.....	2,438,688	164,878	169,575
Northwestern Division.....	695,352	109,316	16,058
Total local systems.....	3,134,040	274,194	185,633
COMMUNICATIONS.....	3,191,634	390,537	17,442
Total power system.....	192,834,395	14,433,514	154,737

## PROPERTIES

## ASSETS

Year 1955 and Balance at December 31, 1955

year				
	Balance in service at December 31, 1955	Under construction at December 31, 1955	Total fixed assets at December 31, 1955	Expenditures during 1955
Sales and retirements				
\$	\$	\$	\$	\$
.....	19,192,669	1,250	19,193,919	68,550
4,707	18,449,005	2,147	18,451,152	2,147
87,980	22,281,490	40,413	22,321,903	395,013
92,687	59,923,164	43,810	59,966,974	465,710
.....	31,870,942	26,043	31,896,985	131,845
39,885	10,497,885	10,155	10,508,040	3,778
34,652	7,725,825	7,227	7,733,052	105,208
57,998	12,641,766	.....	12,641,766	.....
.....	.....	11,205,530	11,205,530	6,183,547
139,030	9,726,451	1,124,346	10,850,797	1,222,310
271,565	72,462,869	12,373,301	84,836,170	7,646,688
364,252	132,386,033	12,417,111	144,803,144	8,112,398
.....	15,858,868	230,623	16,089,491	1,511,135
310,809	6,336,587	120,788	6,457,375	1,113,448
121,301	.....	.....	.....	.....
432,110	22,195,455	351,411	22,546,866	2,624,583
.....	22,637,661	45,461	22,683,122	1,303,796
112,322	22,050,247	1,048,477	23,098,724	2,873,892
51,086	44,687,908	1,093,938	45,781,846	4,177,688
163,408	.....	.....	.....	.....
.....	2,734,981	48,038	2,783,019	71,061
38,160	805,444	21,434	826,878	82,725
15,282	3,540,425	69,472	3,609,897	153,786
53,442	3,511,054	14,526	3,525,580	343,288
88,559	206,320,875	13,946,458	220,267,333	15,411,743
1,101,771	.....	.....	.....	.....

NORTHERN ONTARIO

FIXED  
Statement of Changes During

Property	Balance in service at January 1, 1955	Changes during	
		Placed in service	Equipment relocated and reclassified
<b>Administrative and Service Buildings and Equipment</b>	\$	\$	\$
BUILDINGS.....	670,298	48,145	70,475
OFFICE AND SERVICE EQUIPMENT.....	582,889	95,934	.....
Total administrative and service buildings and equipment.....	1,253,187	144,079	70,475
<b>Rural Power District.....</b>	26,146,156	2,726,381	225,212
Total fixed assets.....	220,233,738	17,303,974	.....

Changes in Assets Under Construction during 1955

Under construction at January 1, 1955.....	\$ 13,607,426
Expenditures during 1955 .....	18,290,413
	\$ 31,897,839
Less—Placed in service during 1955.....	17,303,974
Under construction at December 31, 1955.....	\$ 14,593,865

## PROPERTIES

## ASSETS

## Year 1955 and Balances at December 31, 1955

year				
Sales and retirements	Balance in service at December 31, 1955	Under construction at December 31, 1955	Total fixed assets at December 31, 1955	Expenditures during 1955
\$	\$	\$	\$	\$
6,880	782,038	358,523	1,140,561	355,563
1,351	677,472	.....	677,472	95,934
8,231	1,459,510	358,523	1,818,033	451,497
158,480	28,488,845	288,884	28,777,729	2,427,173
1,268,482	236,269,230	14,593,865	250,863,095	18,290,413

## Summary of Sales and Retirements during 1955

Charged to accumulated depreciation.....	\$ 863,610
Charged to stabilization of rates and contingencies reserve (included in miscellaneous charges).....	40,217
Proceeds from sales credited to fixed assets account.....	364,655
	<u>\$ 1,268,482</u>

## NORTHERN ONTARIO

## Accumulated Depreciation, December 31, 1955

	Power system	Rural power district	Administrative and service buildings and equipment	Total
	\$	\$	\$	\$
Balances at January 1, 1955..	25,398,747.69	1,249,829.36	239,281.12	26,887,858.17
Add:				
Interest at 3% per annum on accumulated depreciation required on plant not fully depreciated.....	792,456.00	61,620.00	3,660.00	857,736.00
Provision in the year				
—direct.....	1,804,411.73	536,593.36		2,341,005.09
—indirect.....			86,325.24	86,325.24
Transfers to and from accumulated depreciation account at December 31, 1955:				
From reserve for stabilization of rates, rural power district re deficiency in rural depreciation.....		709,000.00		
To reserve for stabilization of rates, cost municipalities re excess in depreciation of assets applicable thereto (Note 1)..	53,056.00			920,800.00
From the surplus account of the Province of Ontario re deficiency in power system depreciation.....	264,856.00			
Salvage recoveries less removal costs of assets retired.....	6,889.22	16,930.97	.47	10,041.28
Adjustments re transfer of equipment.....	198,651.00	141,905.00	56,746.00	
Other adjustments (Note 2).	107,385.00	1,040.00		108,425.00
	28,109,260.20	2,716,918.69	386,011.89	31,212,190.78
Deduct:				
Cost of fixed assets retired and accumulated depreciation on fixed assets sold (Note 3).....	719,605.06	139,575.88	4,428.90	863,609.84
Balances at December 31, 1955	27,389,655.14	2,577,342.81	381,582.99	30,348,580.94

## Exchange Discount and Premium on Funded Debt, December 31, 1955

	Discount	Premium
Exchange discount and premium on funded debt issued in United States funds:		
Balances at January 1, 1955 and December 31, 1955.		
(No change during year).....	\$ 100,097.66	\$ 183,205.16

## NOTES TO STATEMENT OF ACCUMULATED DEPRECIATION:

1. The transfers to and from accumulated depreciation account, \$920,800 net, along with other credits during the year were sufficient to eliminate the estimated deficiency of \$1,045,000 in the accumulated depreciation at December 31, 1954.
2. The cost of certain assets at Ear Falls Generating Station amounting to \$107,385 had been written off in error in prior years and adjusted in 1955.
3. Profits and losses arising on the sale of fixed assets were transferred to the reserve for stabilization of rates and contingencies while profits and losses on retirements of fixed assets were not recognized.

## NOTES TO STABILIZATION OF RATES AND CONTINGENCIES RESERVE:

1. Interest for the year 1955 on reserve balances was credited at 3.33% which consisted of the actual earnings on the investments held for the reserves and at 4% on the uninvested balances, while in 1954 the interest was credited at 4% per annum.
2. The transfer of \$655,944, net, to the accumulated depreciation account was made, along with other adjustments, to eliminate the estimated deficiency in the depreciation accounts.

## PROPERTIES

## Stabilization of Rates and Contingencies Reserve, December 31, 1955

	Northern Ontario Properties			Municipalities supplied with power at cost	Total
	Rural power district	Other customers	Total		
	\$	\$	\$	\$	\$
Balances at January 1, 1955.....	714,293.81	9,579,015.03	10,293,308.84	2,040,593.90	12,333,902.74
Add:					
Interest for year on reserve balances (Note 1).....	23,785.98	319,014.36	342,800.34	67,951.77	410,752.11
Provision in the year	273,343.26	603,817.65	877,160.91		877,160.91
	1,011,423.05	10,501,847.04	11,513,270.09	2,108,545.67	13,621,815.76
Deduct:					
Transfers to and from accumulated depreciation account at December 31, 1955 (Note 2)—					
Rural power district—re deficiency in rural depreciation....	709,000.00		709,000.00		
Cost municipalities—re excess in depreciation of assets applicable thereto.....				53,056.00	655,944.00
Miscellaneous charges	23,398.38	28,912.55	52,310.93		52,310.93
Balances at December 31, 1955.....	279,024.67	10,472,934.49	10,751,959.16	2,161,601.67	12,913,560.83

## Sinking Fund Reserve, December 31, 1955

	Province of Ontario			Municipalities supplied with power at cost	Total
	40-year basis	Prepaid sinking funds	Total	40-year basis	Total
	\$	\$	\$	\$	\$
Balances at January 1, 1955.....	19,616,096.81	13,750,488.87	33,366,585.68	9,664,018.91	43,030,604.59
Add:					
Interest at 4% per annum on reserve balances.....	784,644.30	550,019.55	1,334,663.85	386,560.76	1,721,224.61
Provision in the year—direct.....	2,007,331.35		2,007,331.35	222,353.87	2,229,685.22
—indirect.....	8,373.52		8,373.52		8,373.52
	22,416,445.98	14,300,508.42	36,716,954.40	10,272,933.54	46,989,887.94
Deduct credits resulting from prepaid sinking funds:					
Interest.....		550,019.55	550,019.55		550,019.55
Principal.....		152,186.87	152,186.87		152,186.87
		702,206.42	702,206.42		702,206.42
Balances at December 31, 1955.....	22,416,445.98	13,598,302.00	36,014,747.98	10,272,933.54	46,287,681.52

## NORTHERN ONTARIO

## STATEMENT OF THE

For the Year

	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges	Provision for stabilization of rates and contingencies
	Average of monthly peak loads corrected for power factor	Energy		
Municipalities supplied with power at cost:	kw	'000 kwh	\$	\$
Dryden.....	1,540.4	8,498.7	78,866.48	1,540.40
Fort William.....	27,753.8	169,347.5	799,222.60	27,753.80
Nipigon Twp.....	830.8	4,236.0	22,071.60	830.80
Port Arthur.....	31,761.0	154,264.7	863,612.57	31,761.00
Red Rock.....	572.1	2,840.4	15,226.76	572.10
Schreiber Twp.....	708.0	3,996.0	23,065.30	708.00
Terrace Bay.....	1,054.5	6,201.6	29,283.23	1,054.50
Total—Municipalities..	64,220.6	349,384.9	1,831,348.54	64,220.60
Province of Ontario:				
Rural power district.....	31,143.5	150,405.0	3,707,819.56	304,486.76
Other customers.....	479,403.6	3,513,703.5	17,259,186.60	508,453.55
Total—Province of Ontario.....	510,547.1	3,664,108.5	20,967,006.16	812,940.31
GRAND TOTAL.....	574,767.7	4,013,493.4	22,798,354.70	877,160.91

## Notes on Cost of Power Statement

## NORTHERN ONTARIO PROPERTIES

1. The total of \$22,798,354.70 shown under the heading "Power purchased, operating costs, and net fixed charges" includes the following items of cost shown in the statement of operations:

Cost of power purchased.....	\$ 296,758
Interchange of power with Southern Ontario System.....	1,417,966
Operation, maintenance and administrative expenses.....	10,014,835
Interest.....	7,200,311
Depreciation.....	2,341,005
Sinking fund provision.....	2,229,686
Credit resulting from prepaid sinking fund.....	702,206
	<u>\$22,798,355</u>

Interchange of power with the Southern Ontario System shown in the statement of operations at \$1,417,966 represents the cost of 553,228,000 kilowatt-hours of energy transferred from the Southern Ontario System less the cost of 3,536,000 kilowatt-hours of energy transferred to that system. The cost was determined on the basis of the average annual cost of energy, generated and purchased, and the cost of the facilities used for the interchange.

The credit of \$702,206 resulting from prepaid sinking fund consists of a principal amount of \$152,187 and interest at 4 per cent amounting to \$550,019 applicable to prepaid sinking funds aggregating \$13,750,489 at the beginning of the year.

## PROPERTIES

## COST OF POWER

Ended December 31, 1955

Total cost of power and energy after reduction resulting from prepaid sinking fund	Amount billed at interim rates	Balance credited or charged	Annual rates on a kilowatt basis	
			Interim	Actual
\$	\$	\$	\$	\$
80,406.88	80,102.96	303.92	52.00	52.20
826,976.40	929,753.12	102,776.72	33.50	29.80
22,902.40	28,661.71	5,759.31	34.50	27.57
895,373.57	1,000,471.74	105,098.17	31.50	28.19
15,798.86	18,364.94	2,566.08	32.10	27.62
23,773.30	25,488.00	1,714.70	36.00	33.58
30,337.73	37,962.30	7,624.57	36.00	28.77
1,895,569.14	2,120,804.77	225,235.63	.....	.....
4,012,306.32	3,162,867.82	849,438.50	.....	.....
17,767,640.15	19,919,146.30	2,151,506.15	.....	.....
21,779,946.47	23,082,014.12	1,302,067.65	.....	.....
23,675,515.61	25,202,818.89	1,527,303.28	.....	.....

2. The provision for stabilization of rates and contingencies of \$877,160.91 consists of a charge of \$574,767.70 at \$1 per kilowatt on the average monthly peak load supplied to all customers and further charges of \$29,049.95 to local systems and of \$273,343.26 to the rural power district based on the cost of the distribution facilities.

3. The average peak load supplied in the year as shown in the cost of power statement represents primary power only. In addition to this, excess energy is sold on a kilowatt-hour basis to customers for use in electric boilers. Such energy is included in the total energy supplied to other customers. As it is classed as secondary power, however, it is not included in the average monthly peak load supplied to other customers.

The revenue from this source was as follows:

	<i>Paper companies</i>	<i>Other customers</i>	<i>Total</i>
Gross revenue.....	\$308,853.43	\$51,156.47	\$360,009.90
Less costs related thereto.....	44,356.47	1,051.77	45,408.24
Net revenue.....	\$264,496.96	\$50,104.70	\$314,601.66

The gross revenue is included in the amount of \$19,919,146 billed to other customers for the account of the Province of Ontario.

## NORTHERN ONTARIO PROPERTIES

## STATEMENT OF SINKING FUND EQUITY

as at December 31, 1955

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed thereon		
	Balance at January 1, 1955	Net provision and interest credited during year	Balance at December 31, 1955
	\$	\$	\$
Dryden.....	7,770.91	9,075.51	16,846.42
Fort William.....	3,225,749.35	227,238.81	3,452,988.16
Nipigon Twp.....	55,368.11	4,875.86	60,243.97
Port Arthur.....	6,297,426.73	357,189.59	6,654,616.32
Red Rock.....	18,040.12	2,314.18	20,354.30
Schreiber Twp.....	20,610.31	3,310.13	23,920.44
Terrace Bay.....	39,053.38	4,910.55	43,963.93
Total—Municipalities..	9,664,018.91	608,914.63	10,272,933.54
Province of Ontario.....	33,366,585.68	2,648,162.30	36,014,747.98
Grand Total.....	43,030,604.59	3,257,076.93 (See note)	46,287,681.52

NOTE: The net provision and interest credited during the year consist of the following amounts shown in the statement of the sinking fund reserve:—

Interest.....	\$ 1,721,224.61
Provision—direct.....	2,229,685.22
—indirect.....	8,373.52
	\$ 3,959,283.35
Less credits resulting from prepaid sinking funds.....	702,206.42
	<u>\$ 3,257,076.93</u>

## APPENDIX III—RURAL

Power is delivered in wholesale quantities by the Commission to 105 rural operating areas in the rural power district. Within the areas, retail customers are supplied under the following five classes of service: farm, hamlet, commercial, summer, and industrial power. The description of these classes of service and the rates applicable to them at December 31, 1955 are included in this appendix.

For the first four classes a uniform rate structure applies throughout the rural power district and the rates given, except as noted, went into effect on January 1, 1953. Rates for industrial power service vary from area to area, but the rates shown for 1955 have been unchanged in general since November 1, 1952.

### **Description of Main Classes of Service**

Farm service means service rendered to a property used for the production of food or industrial crops. It provides electrical service to all farm buildings and equipment located on a farm and used for farm purposes, including equipment required for processing the products of that farm. Service may be supplied under one farm contract to all dwellings or separate domestic establishments located on the farm and occupied by persons engaged in its operation. Additional dwellings or domestic establishments located on a farm property and occupied by persons otherwise engaged are classed as hamlet service. Small properties of five acres and less are classified as hamlet service unless special circumstances warrant a classification as farm service.

Hamlet service is provided to domestic establishments in a community served as part of a rural operating area, or to isolated residences in a rural area when these are not classified as farm service.

Commercial service applies to a wide variety of business or community establishments such as hotels, offices, stores, churches, schools, or small manufacturing and processing plants. Sign and display lighting is included.

Summer service is applicable to properties normally used only during the summer months.

Industrial power service is 3-phase service to such power users as creameries, cheese factories, and chopping mills. It includes industrial establishments and such other loads as cannot be supplied by commercial single-phase service.

**Rural Rate Structure**

Farm, hamlet, and commercial service rates are quoted on a monthly basis. They are, however, normally billed quarterly. Each service contract has a rating and the energy used is billed on the basis of a three-step energy rate, the bill being subject to a monthly minimum. Summer service rates are on an annual basis and consist of an annual fixed charge and a three-step energy rate. The number of kilowatt-hours billed at the first and second rates and the amount of the minimum monthly bill or of the annual fixed charge are dependent on the class of service and on the contract rating. For FD, HD, CD, and SD services these are based on measured demand and subject to a minimum demand of 10 kilowatts or to larger minima related to demands established during previous billing periods. The energy rate per kilowatt-hour is the same for all customers.

The tables that follow give the rate schedules applicable to the five classes of rural service. The tables have been extended in this year's Annual Report to include typical net bills for specified kilowatt-hour consumptions.

**Rural Power District**  
**RATES AND TYPICAL BILLS FOR ELECTRICAL SERVICE**  
**as at December 31, 1955**

Rates are quoted on a monthly basis for all services but summer service, which are quoted on an annual basis. All are subject to 10% prompt payment discount.

Class and service rating	4.5 cents per kwh for first block of kwh shown	2.6 cents per kwh for second block of kwh shown	1.5 cents per kwh for third block of kwh shown	Net minimum monthly bill	Net monthly bill for		
					100 kwh	300 kwh	500 kwh
<b>Farm</b>				\$	\$	\$	\$
F35.....	60	180		2.02	3.37	7.45	10.15
F50.....	100	300		3.37	4.05	8.73	12.42
FD.....	10*	30*		3.60	....	8.73†	12.42†
<b>Hamlet</b>							
H20.....	60	80		1.50	3.37	6.46	9.16
H35.....	60	180		2.02	3.37	7.45	10.15
H50.....	80	300		3.37	3.71	8.39	11.88
HD.....	10*	30*		3.60	....	8.73†	12.42†
<b>Commercial</b>							
C20.....	60	120		1.35	3.37	6.86	9.56
C35.....	90	180		2.02	3.88	8.26	10.96
C50.....	150	300		3.37	4.05	9.58	13.77
CD.....	15*	30*		3.60	....	9.58†	13.77†
<b>Summer§</b>							
S20.....	150§	450§		15.00x	4.05§	9.58§	14.26§
S35.....	225§	675§		20.00x	4.05§	10.87§	15.55§
S50.....	375§	1,125§		22.50x	4.05§	12.15§	18.12§
SD.....	40*§	120*§		22.50x	....	12.15§†	18.54§†
Demand group on basis of demand of 10 kw—					1,000 kwh	2,000 kwh	3,000 kwh
FD.....	100	300		3.60	19.17	32.67	46.17
HD.....	100	300		3.60	19.17	32.67	46.17
CD.....	150	300		3.60	20.52	34.02	47.52
SD.....	400§	1,200§		22.50x	30.24§	49.68§	63.18§

\*Number of kwh per kw of demand. xAnnual fixed charge (net).

§On annual basis.

†On basis of 10 kw of demand. See extended application at base of table.

## Rural Power District

# RATES AND TYPICAL BILLS FOR ELECTRICAL SERVICE as at December 31, 1955

Rates are quoted on a monthly basis and are subject to 10% prompt payment discount.

## Industrial Power Service

Rural operating areas by regions	Demand rate per kw	Energy rate per kwh for use of each kw of demand			Net monthly bill for use of 1 kw of demand		
		First 50 hours	Next 50 hours	All addi- tional hours	100 hours	200 hours	300 hours
<b>SOUTHERN ONTARIO SYSTEM</b>	\$	¢	¢	¢	\$	\$	\$
<b>WESTERN</b>							
Aylmer.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Blenheim.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Bothwell.....	1.35	3.7	2.4	0.33	3.96	4.26	4.55
Chatham.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Dorchester.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Essex.....	1.35	3.7	2.4	0.33	3.96	4.26	4.55
Exeter.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Forest.....	1.35	3.7	2.4	0.33	3.96	4.26	4.55
Harrow.....	1.35	3.7	2.4	0.33	3.96	4.26	4.55
Ingersoll.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Kingsville.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
London.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Lucan.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Merlin.....	1.35	3.7	2.4	0.33	3.96	4.26	4.55
Norwich.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Oil Springs.....	1.35	3.7	2.4	0.33	3.96	4.26	4.55
Ridgetown.....	1.35	3.7	2.4	0.33	3.96	4.26	4.55
St. Thomas.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Sarnia.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Strathroy.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Tillsonburg.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Wallaceburg.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
West Lorne.....	1.35	3.7	2.4	0.33	3.96	4.26	4.55
Windsor.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Woodstock.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
<b>WEST CENTRAL</b>							
Brantford.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Burlington.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Cayuga.....	1.35	3.7	2.4	0.33	3.96	4.26	4.55
Clinton.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Dundas.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Elmira.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Guelph.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Kitchener.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Listowel.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Mitchell.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Simcoe.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Stoney Creek.....	1.35	2.6	1.7	0.33	3.15	3.45	3.74
Caledonia Section.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Stratford.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
<b>NIAGARA</b>							
Beamsville.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Dunnville.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
St. Catharines.....	1.35	2.8	1.8	0.33	3.28	3.58	3.88
Welland.....	1.35	2.3	1.5	0.33	2.92	3.22	3.52
<b>TORONTO</b>							
Brampton.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Markham.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Richmond Hill.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10

## Rural Power Service

## RATES AND TYPICAL BILLS FOR ELECTRICAL SERVICE

as at December 31, 1955

Rates are quoted on a monthly basis and are subject to 10% prompt payment discount.

## Industrial Power Service

Rural operating areas by regions	Demand rate per kw	Energy rate per kwh for use of each kw of demand			Net monthly bill for use of 1 kw of demand		
		First 50 hours	Next 50 hours	All addi- tional hours	100 hours	200 hours	300 hours
<b>SOUTHERN ONTARIO SYSTEM—Concluded</b>	\$	¢	¢	¢	\$	\$	\$
<b>TORONTO—Continued</b>							
Sutton.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Woodbridge.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
<b>GEORGIAN BAY</b>							
Alliston.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Bala.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Barrie.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Bracebridge.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Cannington.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Huntsville.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Markdale.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Orangeville.....	1.35	3.7	2.4	0.33	3.96	4.26	4.55
Orillia.....	1.35	2.8	1.8	0.33	3.28	3.58	3.88
Owen Sound.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Parry Sound.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Penetanguishene.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Shelburne.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Stayner.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Uxbridge.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Walkerton.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Wingham.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
<b>EAST CENTRAL</b>							
Bancroft.....	1.35	4.0	2.6	0.33	4.18	4.48	4.78
Belleville.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Bowmanville.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Cobourg.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Fenelon Falls.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Frankford.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Kingston.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Lakefield.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Minden.....	1.35	3.7	2.4	0.33	3.96	4.26	4.55
Napanee.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Norwood.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Oshawa.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Peterborough.....	1.35	2.3	1.5	0.33	2.92	3.22	3.52
Picton.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Tweed.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
<b>EASTERN</b>							
Arnprior.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Brockville.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Cobden.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Delta.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Lancaster.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Merrickville.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Ottawa.....	1.35	2.6	1.7	0.33	3.15	3.45	3.74
Perth.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Plantagenet.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Vankleek Hill.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10
Winchester.....	1.35	3.1	2.0	0.33	3.51	3.81	4.10

## Rural Power District

# RATES AND TYPICAL BILLS FOR ELECTRICAL SERVICE as at December 31, 1955

Rates are quoted on a monthly basis and are subject to 10% prompt payment discount.

## Industrial Power Service

Rural operating areas by regions	Demand rate per kw	Energy rate per kwh for use of each kw of demand			Net monthly bill for use of 1 kw of demand		
		First 50 hours	Next 50 hours	All addi- tional hours	100 hours	200 hours	300 hours
<b>NORTHERN ONTARIO PROPERTIES</b>	\$	¢	¢	¢	\$	\$	\$
<b>NORTHEASTERN</b>							
Algoma.....	1.35	4.6	3.0	0.33	4.63	4.93	5.23
Kapuskasing.....	1.35	3.7	2.4	0.33	3.96	4.26	4.55
Kirkland Lake.....	1.35	3.7	2.4	0.33	3.96	4.26	4.55
Manitoulin.....	1.35	4.6	3.0	0.33	4.63	4.93	5.23
Matheson.....	1.35	3.7	2.4	0.33	3.96	4.26	4.55
New Liskeard.....	1.35	3.7	2.4	0.33	3.96	4.26	4.55
North Bay.....	1.35	3.7	2.4	0.33	3.96	4.26	4.55
Sudbury.....	1.35	3.7	2.4	0.33	3.96	4.26	4.55
Warren.....	1.35	3.7	2.4	0.33	3.96	4.26	4.55
<b>NORTHWESTERN</b>							
Dryden.....	1.35	4.6	3.0	0.33	4.63	4.93	5.23
Fort Frances.....	1.35	4.6	3.0	0.33	4.63	4.93	5.23
Geraldton.....	1.35	4.6	3.0	0.33	4.63	4.93	5.23
Kenora.....	1.35	4.6	3.0	0.33	4.63	4.93	5.23
Port Arthur.....	1.35	3.4	2.2	0.33	3.73	4.03	4.33
Sioux Lookout.....	1.35	4.6	3.0	0.33	4.63	4.93	5.23

## Rural Power District

## MILES OF LINE, NUMBER OF CUSTOMERS

as at December 31, 1955

Rural operating areas by regions	Miles of primary line	Number of customers					
		Farm	Hamlet	Com- mercial	Summer	Power	Total
SOUTHERN ONTARIO SYSTEM							
WESTERN							
Aylmer.....	333.04	1,548	977	225	123	7	2,880
Blenheim.....	138.30	641	468	110	186	6	1,411
Bothwell.....	412.83	1,519	378	181	.....	13	2,091
Chatham.....	322.64	1,418	2,440	290	.....	34	4,182
Dorchester.....	203.94	834	667	142	2	11	1,656
Essex.....	302.52	1,519	1,218	201	592	18	3,548
Exeter.....	270.08	1,155	331	124	424	12	2,046
Forest.....	329.12	1,357	227	163	766	5	2,518
Harrow.....	243.50	1,343	1,088	164	1,354	13	3,962
Ingersoll.....	298.41	1,058	442	102	20	4	1,626
Kingsville.....	284.04	1,821	1,379	287	1,132	30	4,649
London.....	354.11	1,196	9,747	693	14	87	11,737
Lucan.....	370.71	1,385	169	106	1	5	1,666
Merlin.....	391.11	1,626	522	213	320	12	2,693
Norwich.....	211.42	935	309	91	.....	8	1,343
Oil Springs.....	350.91	1,424	271	174	.....	8	1,877
Ridgetown.....	185.87	671	301	102	619	7	1,700
St. Thomas.....	307.13	1,220	1,776	236	11	10	3,253
Sarnia.....	281.12	1,173	2,111	286	544	7	4,121
Strathroy.....	507.99	1,908	699	245	.....	9	2,861
Tillsonburg.....	246.33	1,049	865	188	.....	17	2,119
Wallaceburg.....	453.01	1,773	1,285	299	275	15	3,647
West Lorne.....	258.34	935	192	123	50	2	1,302
Windsor.....	236.73	836	9,796	806	.....	69	11,507
Woodstock.....	222.15	890	701	147	.....	10	1,748
Total.....	7,515.35	31,234	38,359	5,698	6,433	419	82,143
WEST CENTRAL							
Brantford.....	692.69	2,921	1,708	411	11	24	5,075
Burlington.....	128.64	517	5,088	245	19	55	5,924
Cayuga.....	515.64	1,905	860	277	1,024	23	4,089
Clinton.....	636.73	2,404	845	325	650	7	4,231
Dundas.....	352.04	1,722	2,666	259	2	18	4,667
Elmira.....	481.06	1,628	1,133	262	120	23	3,166
Guelph.....	373.74	1,304	1,206	160	16	5	2,691
Kitchener.....	490.38	1,751	2,645	407	178	41	5,022
Listowel.....	606.61	2,491	628	301	2	11	3,433
Mitchell.....	554.61	2,358	590	249	.....	11	3,208
Simcoe.....	775.29	3,383	2,771	495	1,353	12	8,014
Stoney Creek.....	315.08	1,253	5,527	477	169	43	7,469
Stratford.....	300.40	1,261	612	161	.....	10	2,044
Total.....	6,222.91	24,898	26,279	4,029	3,544	283	59,033

## Rural Power District

## MILES OF LINE, NUMBER OF CUSTOMERS

as at December 31, 1955

Rural operating areas by regions	Miles of primary line	Number of customers					
		Farm	Hamlet	Com- mercial	Summer	Power	Total
SOUTHERN ONTARIO SYSTEM							
NIAGARA							
Beamsville.....	357.64	2,147	1,724	306	105	34	4,316
Dunnville.....	272.16	1,052	749	238	1,024	12	3,075
St. Catharines.....	277.58	1,544	7,982	484	243	60	10,313
Welland.....	445.42	1,520	6,702	697	700	70	9,689
Total.....	1,352.80	6,263	17,157	1,725	2,072	176	27,393
TORONTO							
Brampton.....	577.97	1,985	2,418	346	311	33	5,093
Markham.....	271.31	1,160	3,447	338	550	29	5,524
Richmond Hill.....	293.63	982	5,541	540	217	48	7,328
Sutton.....	329.84	960	2,216	440	3,059	16	6,691
Woodbridge.....	382.90	1,288	2,466	442	115	52	4,363
Total.....	1,855.65	6,375	16,088	2,106	4,252	178	28,999
GEORGIAN BAY							
Alliston.....	469.24	1,833	693	225	26	10	2,787
Bala.....	197.99	53	583	158	1,802	5	2,601
Barrie.....	488.42	1,416	2,439	450	3,269	19	7,593
Bracebridge.....	404.40	481	928	247	2,357	4	4,017
Cannington.....	448.76	1,138	871	230	2,381	8	4,628
Huntsville.....	538.80	614	1,493	365	2,003	20	4,495
Markdale.....	611.88	2,060	744	287	486	5	3,582
Orangeville.....	463.06	1,362	1,182	272	417	5	3,238
Orillia.....	543.60	1,027	1,851	474	3,127	13	6,492
Owen Sound.....	899.22	2,376	1,617	580	2,444	9	7,026
Parry Sound.....	363.38	275	1,165	273	895	6	2,614
Penetanguishene.....	493.61	987	1,014	320	3,919	7	6,247
Shelburne.....	708.35	2,267	360	222	24	.....	2,873
Stayner.....	342.46	1,117	982	413	2,654	3	5,169
Uxbridge.....	477.47	1,521	1,058	268	1,111	6	3,964
Walkerton.....	809.83	2,923	865	376	551	11	4,726
Wingham.....	673.41	2,441	639	332	586	3	4,001
Total.....	8,933.88	23,891	18,484	5,492	28,052	134	76,053

## Rural Power District

## MILES OF LINE, NUMBER OF CUSTOMERS

as at December 31, 1955

Rural operating areas by regions	Miles of primary line	Number of customers					
		Farm	Hamlet	Com- mercial	Summer	Power	Total
SOUTHERN ONTARIO SYSTEM							
EAST CENTRAL							
Bancroft.....	236.10	380	503	114	561	2	1,560
Belleville.....	228.90	797	2,428	299	58	20	3,602
Bowmanville.....	299.41	925	922	211	103	6	2,167
Cobourg.....	556.91	1,647	1,428	369	881	11	4,336
Fenelon Falls.....	495.80	1,017	683	358	2,607	11	4,676
Frankford.....	531.12	1,831	1,298	273	406	5	3,813
Kingston.....	778.41	2,067	3,214	612	1,128	24	7,045
Lakefield.....	413.99	613	814	277	1,784	1	3,489
Minden.....	421.86	366	1,408	423	2,365	4	4,566
Napanee.....	546.33	1,864	1,162	401	272	11	3,710
Norwood.....	324.08	831	416	136	742	4	2,129
Oshawa.....	273.01	885	2,494	312	219	20	3,930
Peterborough.....	607.91	1,730	1,925	384	845	15	4,899
Picton.....	443.84	1,713	1,361	328	577	11	3,990
Tweed.....	515.82	1,053	1,033	374	644	1	3,105
Total.....	6,673.49	17,719	21,089	4,871	13,192	146	57,017
EASTERN							
Arnprior.....	373.83	905	1,030	279	1,009	17	3,240
Brockville.....	579.44	2,009	2,005	460	841	24	5,339
Cobden.....	940.13	1,998	3,158	780	713	26	6,675
Delta.....	421.79	997	693	271	994	3	2,958
Lancaster.....	541.82	1,983	1,081	392	208	13	3,677
Merrickville.....	226.87	688	597	109	124	4	1,522
Ottawa.....	688.62	2,342	5,340	664	359	45	8,750
Perth.....	744.39	1,675	870	334	1,283	3	4,165
Plantagenet.....	357.51	1,492	787	318	32	8	2,637
Vankleek Hill.....	208.45	877	485	175	60	11	1,608
Winchester.....	735.11	3,065	1,161	489	37	19	4,771
Total.....	5,817.96	18,031	17,207	4,271	5,660	173	45,342





## Rural Power District

## MILES OF LINE, NUMBER OF CUSTOMERS

as at December 31, 1955

Rural operating areas by regions	Miles of primary line	Number of customers					
		Farm	Hamlet	Com- mercial	Summer	Power	Total
NORTHERN ONTARIO PROPERTIES							
NORTHEASTERN							
Algoma.....	223.74	335	606	239	154	4	1,338
Kapuskasing.....	180.28	483	1,553	215	145	9	2,405
Kirkland Lake.....	88.36	67	175	66	227	1	536
Manitoulin.....	532.58	809	1,499	543	611	24	3,486
Matheson.....	493.12	1,044	983	224	285	17	2,553
New Liskeard.....	535.25	1,156	1,188	329	294	14	2,981
North Bay.....	631.13	1,064	2,428	540	895	25	4,952
Sudbury.....	510.28	886	8,973	652	756	39	11,306
Warren.....	437.37	1,015	1,169	410	347	9	2,950
Total.....	3,632.11	6,859	18,574	3,218	3,714	142	32,507
NORTHWESTERN							
Dryden.....	235.11	376	379	155	131	2	1,043
Fort Frances.....	483.26	945	681	274	60	4	1,964
Geraldton.....	57.92	.....	318	129	4	11	462
Kenora.....	212.58	189	493	158	557	3	1,400
Port Arthur.....	835.33	1,852	2,198	364	875	9	5,298
Sioux Lookout.....	22.91	16	92	19	54	1	182
Total.....	1,847.11	3,378	4,161	1,099	1,681	30	10,349

SUMMARY—MILES OF LINE, NUMBER OF CUSTOMERS  
as at December 31, 1955

System and Region	Miles of primary line	Number of customers					
		Farm	Hamlet	Com- mercial	Summer	Power	Total
SOUTHERN ONTARIO SYSTEM							
Western.....	7,515.35	31,234	38,359	5,698	6,433	419	82,143
West Central.....	6,222.91	24,898	26,279	4,029	3,544	283	59,033
Niagara.....	1,352.80	6,263	17,157	1,725	2,072	176	27,393
Toronto.....	1,855.65	6,375	16,088	2,106	4,252	178	28,999
Georgian Bay.....	8,933.88	23,891	18,484	5,492	28,052	134	76,053
East Central.....	6,673.49	17,719	21,089	4,871	13,192	146	57,017
Eastern.....	5,817.96	18,031	17,207	4,271	5,660	173	45,342
Total.....	38,372.04	128,411	154,663	28,192	63,205	1,509	375,980
NORTHERN ONTARIO PROPERTIES							
Northeastern.....	3,632.11	6,859	18,574	3,218	3,714	142	32,507
Northwestern.....	1,847.11	3,378	4,161	1,099	1,681	30	10,349
Total.....	5,479.22	10,237	22,735	4,317	5,395	172	42,856
Total—All systems.....	43,851.26	138,648	177,398	32,509	68,600	1,681	418,836



## APPENDIX IV

### ENGINEERING AND CONSTRUCTION

**D**URING 1955 there was a net increase of 329.71 circuit miles in the Commission's transmission line networks, 68.35 circuit miles of the net increase being in the Southern Ontario System and 261.36 circuit miles being in the Northern Ontario Properties. At the end of the year there was a total of 16,114.92 circuit miles of transmission line in service. The following table shows, by system, voltage, and support structure, the number of route and circuit miles of transmission line in service at the end of 1954 and 1955.

**Total Mileage of Transmission Lines and Circuits**

Voltage and Structure	Line route or structure miles		Circuit miles	
	At Dec. 31, 1954	At Dec. 31, 1955	At Dec. 31, 1954	At Dec. 31, 1955
<b>SOUTHERN ONTARIO SYSTEM</b>				
230,000-volt.....steel tower.....	2,524.74	2,535.71	3,086.31	3,099.98
115,000-volt.....steel tower.....	1,538.49	1,547.46	2,366.27	2,384.84
115,000-volt.....wood pole.....	925.70	925.73	929.87	929.90
115,000-volt.....underground cable.....	4.88	6.01	8.83	10.93
60,000-volt.....steel tower.....	11.17	11.17	12.30	12.30
60,000-volt.....wood pole.....	2.66	2.66	2.66	2.66
44,000-volt and less. wood and steel...	4,576.39	4,614.06	5,110.26	5,144.24
Total Southern Ontario System...	9,584.03	9,642.80	11,516.50	11,584.85
<b>NORTHERN ONTARIO PROPERTIES</b>				
230,000-volt.....steel tower.....		55.28		55.28
230,000-volt.....wood pole.....		51.71		51.71
115,000-volt.....steel tower.....	751.66	823.71	1,364.83	1,446.76
115,000-volt.....wood pole.....	987.13	1,046.35	987.13	1,046.35
69,000-volt.....wood pole.....	203.72	203.72	203.72	203.72
44,000-volt and less. wood and steel...	1,611.40	1,658.51	1,713.03	1,726.25
Total Northern Ontario Properties.	3,553.91	3,839.28	4,268.71	4,530.07
Total—All systems.....	13,137.94	13,482.08	15,785.21	16,114.92



## APPENDIX V—LEGISLATIVE

AT the 1955 Session of the Legislative Assembly of the Province of Ontario two Acts respecting The Hydro-Electric Power Commission of Ontario were passed. The said Acts are reproduced here in full. The short titles of the Acts are as follows:

*The Power Commission Amendment Act, 1955, Chapter 62.*

*The St. Lawrence Development Amendment Act, 1955, Chapter 81.*

### ACTS

#### CHAPTER 62

##### An Act to amend The Power Commission Act

*Assented to March 31st, 1955*

*Session Prorogued March 31st, 1955*

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. Clauses *e* and *g* of section 1 of *The Power Commission Act* are repealed and the following substituted therefor:

Rev. Stat.,  
c. 281, s. 1.  
cls. *e*, *g*,  
re-enacted

(*e*) “power” includes electrical, pneumatic, hydraulic, mechanical, atomic, steam, gas or other power and also includes energy;

. . . . .

(*g*) “works” includes all roads, plant, machinery, buildings, erections, constructions, installations, materials, devices, fittings, apparatus, appliances, equipment and other property for the development, generation, transformation, transmission, conveying, distribution, supply or use of power.

Rev. Stat.,  
c. 281, s. 2,  
subs. 1,  
amended

**2.**—(1) Subsection 1 of section 2 of *The Power Commission Act* is amended by striking out the word “three” in the second line and inserting in lieu thereof the words “not less than three and not more than six”, so that the subsection shall read as follows:

Commission

- (1) The Commission shall continue to be a body corporate, and shall consist of not less than three and not more than six persons appointed by the Lieutenant-Governor in Council, two of whom may be members, and one of whom shall be a member, of the Executive Council.

Rev. Stat.,  
c. 281, s. 2,  
subs. 2,  
re-enacted

(2) Subsection 2 of the said section 2 is repealed and the following substituted therefor:

Quorum

- (2) Two members of the Commission, of whom one shall be the chairman or a vice-chairman, shall constitute a quorum.

Rev. Stat.,  
c. 281, s. 3,  
subs. 1,  
amended

**3.**—(1) Subsection 1 of section 3 of *The Power Commission Act* is amended by striking out the words “another member of the Commission to be vice-chairman” in the third and fourth lines and inserting in lieu thereof the words “two other members of the Commission to be vice-chairmen”, so that the subsection shall read as follows:

Chairman  
and vice-  
chairman

- (1) The Lieutenant-Governor in Council may appoint one of the members of the Commission to be chairman and may appoint two other members of the Commission to be vice-chairmen of the Commission.

Rev. Stat.,  
c. 281, s. 3,  
subs. 2,  
amended

(2) Subsection 2 of the said section 3 is amended by striking out the words “the vice-chairman” in the second and third lines and inserting in lieu thereof the words “a vice-chairman”, so that the subsection shall read as follows:

Powers  
of vice-  
chairman

- (2) In case of the absence or illness of the chairman or of there being a vacancy in the office of chairman, a vice-chairman shall act as and have all the powers of the chairman.

Rev. Stat.,  
c. 281, s. 5,  
subs. 1,  
re-enacted

**4.** Subsection 1 of section 5 of *The Power Commission Act* is repealed and the following substituted therefor:

Remunera-  
tion of  
Commis-  
sioners

- (1) The chairman, vice-chairmen and other members of the Commission shall receive such sums annually for their services as may be determined by the Lieutenant-Governor in Council, and such sums shall be deemed to be part of the administration expenses of the Commission.

Rev. Stat.,  
c. 281,  
amended

**5.** *The Power Commission Act* is amended by adding thereto the following section:

5a.—(1) The chairman and two vice-chairmen shall be the chief executive officers of the Commission and shall constitute an executive committee which shall be charged with the direction and control of the business of the Commission and it may exercise all of the powers of the Commission in its name, including, but without limiting the generality of the foregoing, all of the powers of the Commission under sections 51 and 54, and may delegate such powers as it sees fit to any of the other members of the Commission.

(2) The powers of the executive committee may be exercised by a majority of the committee.

6.—(1) Clause *a* of subsection 1 of section 13 of *The Power Commission Act* is amended by striking out the word "renewal" in the first line and inserting in lieu thereof the word "depreciation", so that the clause shall read as follows:

(a) to provide for the depreciation, reconstruction and repair of works constructed or operated by the Commission.

(2) Clause *b* of subsection 1 of the said section 13 is repealed.

(3) Subsection 3 of the said section 13 is repealed.

7. Clause *a* of subsection 1 of section 14 of *The Power Commission Act* is repealed.

8.—(1) Section 15 of *The Power Commission Act* is repealed and the following substituted therefor:

15.—(1) The account established and known as the stabilization fund account is continued and shall be known hereafter as the stabilization of rates and contingencies reserve account and may be maintained on the books of the Commission, and the Commission may place to the credit of that account,

(a) such amounts as the Commission may determine and collect for the purposes of this section from its customers and such other amounts as may in its opinion be sufficient for the purposes of this section;

(b) interest at such rates as the Commission deems equitable and just upon balances remaining from time to time to the credit of the account.

(2) Any or all of the moneys in the stabilization of rates and contingencies reserve account may be used in the discretion of the Commission for determining, and for adjusting and

apportioning, including making equitable and stabilizing, the amounts payable to the Commission by persons or municipal corporations; and to meet any expenditures or costs caused by or arising from injury to, or destruction, obsolescence or loss of use of any works or other property of the Commission; and to meet other contingencies arising in the operations of the Commission; and to provide for such part of the cost of properties to be acquired or which have been acquired as is not allocated to specific works; and to meet the costs and expenses incurred by the Commission which, in the opinion of the Commission, are for the protection or advancement of the interests in the undertakings under its supervision or control and which are not properly chargeable to any person or specific municipal corporation to which the Commission supplies power.

Transfer of  
certain  
moneys

(2) The Commission shall transfer to the credit of the stabilization of rates and contingencies reserve account all moneys at the credit of the reserve account discontinued by the repeal of clause *b* of subsection 1 of section 13 of *The Power Commission Act*.

Rev. Stat.,  
c. 281, s. 59,  
subs. 2,  
amended

9. Subsection 2 of section 59 of *The Power Commission Act* is amended by striking out the word "His" in the first and thirteenth lines respectively and inserting in lieu thereof the word "Her" and by striking out the word and figures "section 13" in the eleventh line and inserting in lieu thereof the words and figures "sections 13 and 15", so that the subsection shall read as follows:

Agreements  
between the  
Crown and  
the Com-  
mission as  
to under-  
takings in  
territorial  
districts

(2) Her Majesty may enter into an agreement or agreements with the Commission, relating to any or all of the works mentioned in subsection 1, providing for payment to the Commission out of the Consolidated Revenue Fund the amounts from time to time by which the revenues that have been or may hereafter be derived from such works are or may be insufficient to meet in full the annual costs and charges in connection therewith as determined by the Commission, including the items set forth in clauses *a*, *b* and *c* of section 74 and an amount to be determined by the Commission to be provided for the purposes of sections 13 and 15, and such agreement or agreements when executed by the President of the Executive Council representing Her Majesty and the Commission shall be valid and binding on the Province and the Commission respectively.

Rev. Stat.,  
c. 281, s. 68,  
subs. 4,  
amended

10. Subsection 4 of section 68 of *The Power Commission Act* is amended by striking out the words "clauses *a*, *b* and *c* of section 74 and for the purposes of section 13 and clause *d* of subsection 1 of

section 14" in the sixth, seventh and eighth lines and inserting in lieu thereof the words "clauses *a*, *b*, *c* and *d* of section 74", so that the subsection shall read as follows:

- (4) Net profit referred to in subsection 3 shall be determined by deducting from the revenue received from supplying power or energy under subsection 1 all moneys placed to the credit of the frequency standardization reserve account pursuant to subsection 2 and an amount determined by the Commission for costs and charges as enumerated in clauses *a*, *b*, *c* and *d* of section 74. Determination of net profit

**11.** Clause *a* of section 74 of *The Power Commission Act* is repealed and the following substituted therefor: Rev. Stat., c. 281, s. 74, cl. *a*, re-enacted

- (a) the cost of operation, maintenance, depreciation and insurance of the works and the cost of administration of the Commission.

**12.** Subsection 14 of section 102 of *The Power Commission Act* is repealed. Rev. Stat., c. 281, s. 102, subs. 14, repealed

**13.** Section 103 of *The Power Commission Act* is amended by adding thereto the following subsection: Rev. Stat., c. 281, s. 103, amended

- (7) For the purposes of this section, The Municipality of Metropolitan Toronto shall be deemed to be a municipal corporation that has entered into a contract with the Commission for the supply of electrical power and energy. Metropolitan Toronto

**14.**—(1) This Act, except subsections 2 and 3 of section 6 and sections 7, 8, 9 and 10, comes into force on the day it receives Royal Assent. Commencement

(2) Subsections 2 and 3 of section 6 and sections 7, 8, 9 and 10 shall be deemed to have come into force on the 1st day of January, 1954. Idem

**15.** This Act may be cited as *The Power Commission Amendment Act, 1955*. Short title

## CHAPTER 81

**An Act to amend  
The St. Lawrence Development Act, 1952 (No. 2)**

*Assented to March 31st, 1955*

*Session Prorogued March 31st, 1955*

**H**ER MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1952  
(2nd Sess.),  
c. 3, s. 11,  
re-enacted

**1.** Section 11 of *The St. Lawrence Development Act, 1952 (No. 2)* is repealed and the following substituted therefor:

Right to  
compen-  
sation

11.—(1) The Commission shall make to the owner of land entered upon, taken or used by it for the purposes of this Act fair, just and equitable compensation under this Act for any damage resulting therefrom beyond any advantage that the owner may derive from the work for which the land has been so entered upon, taken or used, and in making such compensation regard shall be had to the special circumstances occasioned by the power development works provided for in this Act and the resultant dislocation of persons and communities.

Idem

(2) The Commission shall make to the owner of any land or property injuriously affected in the carrying out of the purposes of this Act fair, just and equitable compensation under this Act for any damage resulting therefrom beyond any advantage that the owner may derive from the work for the purpose of which the land or property was injuriously affected, and in making such compensation regard shall be had to the special circumstances occasioned by the power development works provided for in this Act and the resultant dislocation of persons and communities.

Commence-  
ment

**2.** This Act comes into force on the day it receives Royal Assent.

Short title

**3.** This Act may be cited as *The St. Lawrence Development Amendment Act, 1955*.

## ORDER IN COUNCIL

The agreements between The Hydro-Electric Power Commission of Ontario and municipalities, persons, and corporations mentioned in the list hereunder given were approved by Order in Council.

TOWN		
Thessalon.....	Oct. 27, 1955	Garafraxa East.....Sept. 29, 1955
		Gosfield South.....Jan. 5, 1956
		Hagar.....Nov. 15, 1955
		London.....Aug. 4, 1955
VILLAGE		
Port Burwell.....	July 13, 1955	Neelon and Garson.....June 10, 1955
		Oxford-on-Rideau.....Nov. 15, 1955
		Portland.....Nov. 15, 1955
		Somerville.....Oct. 13, 1955
		Whitby.....Sept. 29, 1955
TOWNSHIPS		
Casey.....	Mar. 11, 1955	
Chapleau.....	Sept. 14, 1955	
Dover.....	July 13, 1955	
Fenelon.....	Oct. 13, 1955	
		IMPROVEMENT DISTRICT
		Manitouwadge.....May 2, 1955
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Abitibi Power & Paper Company, Limited (Bare Point Mill).....		Sept. 29, 1955
Abitibi Power & Paper Company, Limited (Mission Mill).....		Sept. 29, 1955
Algom Uranium Mines Limited.....		Jan. 21, 1955
Armstrong Bros. Company Limited.....		June 28, 1955
Beaucage Mines Limited.....		Aug. 3, 1955
Beaver Wood Fibre Company, Limited.....		Dec. 8, 1954
Bicroft Uranium Mines Limited.....		Sept. 29, 1955
Burlington Steel Company, Limited.....		Aug. 30, 1955
Caldwell Linen Mills Limited.....		May 17, 1955
Canada Cement Company, Limited.....		Oct. 27, 1955
Canada Crushed & Cut Stone Limited.....		Mar. 25, 1955
Canada Starch Company Limited.....		May 27, 1955
Canadian Flint and Spar Company, Limited.....		May 31, 1955
Cobalt Consolidated Mining Corporation Limited.....		June 3, 1955
Cobalt Consolidated Mining Corporation Limited.....		Jan. 5, 1956
Consolidated Denison Mines Limited.....		Sept. 14, 1955
Consolidated Sand and Gravel, Limited.....		Mar. 30, 1955
Deloro Smelting & Refining Company, Limited.....		April 25, 1955
Dominion Foundries and Steel, Limited.....		Feb. 22, 1955
Dominion Foundries and Steel, Limited.....		Mar. 11, 1955
Ethyl Corporation of Canada Limited.....		Dec. 15, 1955
Faraday Uranium Mines Limited.....		June 24, 1955
Geco Mines Limited.....		Aug. 3, 1955
Great Lakes Paper Company, Limited.....		Aug. 5, 1955
Gypsum, Lime and Alabastine, Canada, Limited.....		Aug. 4, 1955
Harrison-Hibbert Mines Limited.....		Jan. 19, 1955
Harvey Construction Company Limited.....		July 9, 1955
Her Majesty the Queen in right of Canada, represented by the Minister of Defence Production, acting through Canadian Arsenal Limited.....		Aug. 18, 1955

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Marathon Corporation of Canada Limited.....	Sept. 22, 1955
Niagara Mohawk Power Corporation.....	April 15, 1955
Nickel Rim Mines Limited.....	May 17, 1955
Norton Company.....	Oct. 13, 1955
Ontario-Minnesota Pulp and Paper Company Limited.....	Oct. 5, 1955
Orenda Engines Limited.....	Aug. 26, 1955
Pembroke Electric Light Company Limited.....	July 6, 1955
Pentagon Construction Company Limited.....	Aug. 4, 1955
Provincial Paper Limited.....	Sept. 29, 1955
Quebec Metallurgical Industries Limited.....	June 28, 1955
Silver-Miller Mines Limited.....	June 15, 1955
St. Lawrence Corporation Limited.....	Aug. 29, 1955
Strathcona Paper Company, Limited.....	Aug. 22, 1955
United Cobalt Mines Limited.....	June 28, 1955
Willroy Mines Limited.....	Oct. 27, 1955

## LIST OF ABBREVIATIONS

A. F. of L.	—American Federation of Labour	min	—minimum
d-c	—direct current		—minute (20-min)
D.S.	—Distributing Station	M.E.U.	—Municipal Electrical Utilities
G.S.	—Generating Station	N.O.P.	—Northern Ontario Properties
hp	—horsepower	P.U.C.	—Public Utilities Commission
Imp. Dist.	—Improvement District	R.O.A.	—Rural Operating Area
Jct.	—Junction	S.O.S.	—Southern Ontario System
kv	—kilovolt(s)	S.S.	—Switching Station
kva	—kilovolt-ampere(s)	T.S.	—Transformer Station
kw	—kilowatt(s)	Twp.	—Township
kwh	—kilowatt-hour(s)	V.A.	—Voted Area

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*A* = Statements "A" and "B"—Financial Statements of the Municipal Electrical Utilities

*C* = Statement "C"—Rates and Typical Bills for Electrical Service in Municipal Electrical Utilities and Local Systems

*D* = Statement "D"—Customers, Revenue, and Consumption in Municipal Electrical Utilities and Local Systems

*L* = Statement of Loads of Municipal Electrical Utilities and Local Systems

*P* = Statement of Cost of Power

*S* = Statement of Sinking Fund Equity

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